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THE NOTIFIABLE DISEASES

PREVALENCE DURING 1928 IN CITIES
OF OVER 100,000

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THE NOTIFIABLE DISEASES

PREVALENCE DURING 1928 IN CITIES OF OVER¹100,000¹

The following tables were compiled from data furnished by the health officers of the cities.

The following is a list of the diseases included:

Anthrax.	Rabies in man.
Chicken pox.	Rocky Mountain spotted (or tick) fever.
Dengue.	Scarlet fever.
Diphtheria.	Septic sore throat.
Influenza.	Smallpox.
Lethargic encephalitis.	Tuberculosis (all forms and respiratory system).
Malaria.	Tularæmia.
Measles.	Typhoid fever.
Meningoceleus meningitis.	Typhus fever.
Mumps.	Undulant fever.
Pellagra.	Whooping cough.
Pneumonia (all forms).	
Poliomyelitis.	
Rabies in animals.	

The populations given, and which were used in computing the rates, were estimated as of July 1, 1928, by the Bureau of the Census. These estimates are based on the Federal censuses of 1910 and 1920 or on State censuses later than 1920. In a few cases, where there is reason to believe that the results thus obtained are far from correct, no estimate is made. The number of cases and deaths occurring from each disease in these cities is given but no rates are computed.

The estimated expectancy given in the tables for some of the diseases is the result of an attempt to ascertain from the experience of recent years how many cases of the disease under consideration might be expected in 1928. In most instances the estimated expectancy is the median number of cases reported by the city for the years 1921 to 1927, inclusive. When several epidemics have occurred during these years, or when for other reasons the median is not satisfactory, epidemic years are excluded, and the estimated expectancy is the mean of the number of cases reported for the nonepidemic years. The aim has been to ascertain how many cases of each disease may reasonably be expected in the absence of epidemics.

The column headed "Number of years" shows the number of years later than 1920 for which data were available for each city.

¹ Data for cities having 10,000 to 100,000 population are published in Supplement No. 7.

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In comparing the figures for 1928 with the estimated expectancy, averages, or with reports for preceding years, it should be borne in mind that for several years there has been a gradual improvement in the reporting of communicable diseases. An increase in the number of cases reported may be due to better reporting rather than to an increase in the number of cases occurring.

In studying these tables it should be kept in mind that a relatively large number of reported cases of a communicable disease as indicated by a high case rate (and more especially when accompanied by a relatively small number of deaths, as indicated by a low fatality rate) usually means that the health department of the city reporting is active and that the cases of the disease are being well reported by the practicing physicians. It does not usually mean that the disease is more prevalent in that city than in other cities. A high fatality rate may mean that the disease was unusually virulent in a city; that the physicians did not treat the disease in that city with the success usual elsewhere; or that the practicing physicians did not report all of their cases to the health department. On the other hand, an unusually low fatality rate may be due to the fact that the disease in the city was unusually mild; that the physicians treated it with unusual success; that the practicing physicians reported their cases satisfactorily; or that the registration of deaths was incomplete or the assignment of the causes of death inaccurate.

Cities which did not report either cases or deaths of a certain disease in 1928 (except smallpox) are not included in the table for that disease.

The following table gives a comparison of the rates for some of the principal communicable diseases in the large cities of the United States for the years 1922, 1923, 1924, 1925, 1926, 1927, and 1928:

	Cases		Deaths			Cases		Deaths	
	Number of cities	Cases per 1,000 population	Number of cities	Deaths per 1,000 population		Number of cities	Cases per 1,000 population	Number of cities	Deaths per 1,000 population
Chicken pox:									
1922	68	1.69	68	0.001	Influenza:				
1923	77	2.02	77	.001	1922				
1924	82	2.45	82	.001	1923				
1925	69	1.89	69	.001	1924				
1926	68	2.24	68	.001	1925				
1927	73	2.46	73	.001	1926				
1928	75	2.17	75	.001	1927				
Diphtheria:									
1922	73	2.25	73	.155	1928				
1923	77	1.97	77	.132	Influenza:				
1924	82	1.67	83	.111	1922				
1925	69	1.39	69	.100	1923				
1926	70	1.33	70	.097	1924				
1927	76	1.68	76	.098	1925				
1928	75	1.29	75	.084	1926				
					Measles:				
					1922				
					72	5.26	72	.080	

NOTIFIABLE DISEASES

	Cases		Deaths			Cases		Deaths		
	Number of cities	Cases per 1,000 population	Number of cities	Deaths per 1,000 population		Number of cities	Cases per 1,000 population	Number of cities	Deaths per 1,000 population	
Measles—Continued.										
1923	77	7.11	77	0.076	Scarlet fever—Contd.	1924	82	2.15	82	0.027
1924	80	4.36	83	.048	1925	68	2.26	68	.026	
1925	69	3.32	69	.032	1926	70	2.13	70	.024	
1926	70	7.92	70	.082	1927	76	2.37	76	.021	
1927	72	3.07	72	.020	1928	75	1.78	75	.018	
1928	75	5.88	75	.050	Smallpox:	1922	.17	75	.0119	
Meningococcus meningitis:						1923	.18	78	.0014	
1922	41	.03	67	.016	1924	83	.50	83	.0164	
1923	40	.02	64	.016	1925	69	.25	69	.0139	
1924	39	.02	64	.015	1926	70	.16	70	.0009	
1925	48	.02	61	.014	1927	76	.14	76	.0003	
1926	49	.03	56	.018	1928	75	.09	75	.0001	
1927	58	.04	64	.024	Tuberculosis (all forms):	1922		72	1.010	
1928	65	.10	69	.049	1923			77	.981	
Mumps:						1924		82	.962	
1922	66	.72	66	.005	1925			69	.926	
1923	69	.75	69	.005	1926			69	.900	
1924	75	1.66	76	.006	1927			75	.829	
1925	66	.67	66	.006	1928			75	.849	
1926	63	.76	63	.009	Tuberculosis (respiratory system):	1922		64	.870	
1927	69	1.60	69	.005	1923			67	.846	
1928	68	1.40	68	.006	1924			70	.821	
Pellagra:						1925		60	.790	
1922			26	.009	1926			61	.779	
1923			32	.011	1927			70	.722	
1924			32	.009	1928			69	.740	
1925			28	.009	Typhoid fever:	1922		64	.870	
1926			29	.012	1923			67	.846	
1927			34	.019	1924			70	.821	
1928			34	.019	1925			60	.790	
Pneumonia (all forms):						1926		61	.779	
1922			74	1.359	1927			70	.722	
1923			75	1.514	1928			69	.740	
1924			83	1.347	Whooping cough:	1922		73	.19	
1925			68	1.327	1923			73	.033	
1926			69	1.450	1924			77	.033	
1927			77	1.093	1925			81	.034	
1928			75	1.386	1926			68	.035	
Poliomyelitis:						1927		69	.028	
1924			66	.07	1928			74	.020	
1925			63	.05	1922			73	.020	
1926			62	.03	1923			76	.064	
1927			75	.09	1924			77	.054	
1928			66	.05	1925			65	.056	
Scarlet fever:						1926		68	.056	
1922			73	1.80	1927			67	.064	
1923			77	2.07	1928			72	.038	
			77	.035				71	.048	

Reported Prevalence for the Year 1928**ANTHRAX**

City	Cases reported, 1928	Deaths registered, 1928	City	Cases reported, 1928	Deaths registered, 1928
Delaware:			New York:		
Wilmington	2	0	New York		
Louisiana:			Yonkers	9	1
New Orleans	2	0	Pennsylvania:		
Massachusetts:			Philadelphia	16	5
Lynn	3	0	Rhode Island:		
New Jersey:			Providence	1	0
Camden	5	1			

Reported Prevalence for the Year 1928—Continued

CHICKEN POX

City	Estimated population, July 1, 1928	Average, 1922-1927	1928				
			Cases reported	Cases per 1,000 inhabitants	Deaths registered	Deaths per 1,000 inhabitants	Cases reported for each death registered
Alabama:							
Birmingham	222,000	315	334	1.50	0		
California:							
Long Beach		375	321		0		
Los Angeles		1,920	2,594		0		
Oakland	274,000	797	1,549	5.65	1	0.00	1,549.0
San Diego	120,000	513	1,387	11.56	0		
San Francisco	585,000	1,398	2,100	3.59	1	.00	2,100.0
Colorado:							
Denver	294,000	1,921	1,523	5.18	1	.00	1,523.0
Connecticut:							
Bridgeport		101	107		0		
Hartford	172,000	217	282	1.64	1	.01	282.0
New Haven	188,000	1,568	516	2.74	0		
Waterbury		63	80		0		
Delaware:							
Wilmington	129,000	138	61	.47	0		
District of Columbia:							
Washington	552,000	1,229	702	1.27	0		
Florida:							
Jacksonville	141,000	183	681	4.83	0		
Miami	157,000	147	302	1.92	0		
Tampa	113,000	50	172	1.52	0		
Georgia:							
Atlanta	255,000	122	234	.92	0		
Illinois:							
Chicago	3,157,000	4,474	4,926	1.56	6	.00	821.0
Indiana:							
Fort Wayne	105,000	239	107	1.02	0		
Indianapolis	382,000	1,192	1,433	3.75	0		
Iowa:							
Des Moines	152,000	120	15	.10	0		
Kansas:							
Kansas City	118,000	282	241	2.04	0		
Kentucky:							
Louisiana:							
New Orleans	329,000	178	169	.51	0		
Maryland:							
Baltimore	429,000	101	120	.28	0		
Massachusetts:							
Boston	799,000	1,920	2,039	2.55	2	.00	1,019.5
Cambridge	126,000	523	327	2.60	0		
Fall River	134,000	120	106	.79	1	.01	106.0
Lowell	110,000	81	54	.49	0		
Lynn	106,000	90	201	1.90	0		
New Bedford	120,000	110	172	1.43	0		
Somerville	103,000	117	88	.85	0		
Springfield	153,000	267	328	2.19	0		
Worcester	198,000	432	458	2.31	0		
Michigan:							
Detroit	1,379,000	2,539	3,041	2.21	2	.00	1,520.5
Flint	149,000	441	552	3.70	0		
Grand Rapids	164,000	276	218	1.33	0		
Minnesota:							
Duluth	117,000	1282	266	2.27	0		
Minneapolis	456,000	2,967	4,152	9.11	0		
St. Paul		1,152	1,480		0		
Missouri:							
Kansas City	391,000	656	884	2.26	0		
St. Louis	848,000	1,091	960	1.13	0		
Nebraska:							
Omaha	223,000	312	297	1.33	0		
New Jersey:							
Camden	135,000	229	159	1.18	1	.01	159.0
Elizabeth		274	357		0		
Jersey City	325,000	203	137	.42	0		
Newark	474,000	1,638	1,377	2.91	0		
Paterson	145,000	357	426	2.94	0		
Trenton	139,000	117	96	.69	0		

¹ 5 years only.² 2 years only.³ 4 years only.⁴ Population, State census, 1925.

Reported Prevalence for the Year 1928—Continued

CHICKEN POX—Continued

City	Estimated population, July 1, 1928	Average, 1922-1927	1928				
			Cases reported	Cases per 1,000 inhabitants	Deaths registered	Deaths per 1,000 inhabitants	Cases reported for each death registered
New York:							
Albany	120,000	449	459	3.82	0		
Buffalo	556,000	972	760	1.37	1	0.00	760.0
New York	6,018,000	7,736	7,082	1.18	17	.00	416.6
Rochester	328,000	384	467	1.42	0		
Syracuse	199,000	573	8927	4.66	0		
Utica	104,000	249	79	.76	0		
Yonkers	121,000	227	244	2.02	0		
Ohio:							
Akron		314	358		0		
Canton	117,000	347	227	1.94	0		
Cincinnati	414,000	498	490	1.18	0		
Cleveland	1,010,000	2,754	2,956	2.93	1	.00	2,956.0
Columbus	299,000	1,358	375	1.25	1	.00	375.0
Dayton	185,000	135	121	.65	0		
Toledo	313,000	1,430	2,024	6.47	0		
Youngstown	174,000	350	397	2.28	0		
Oklahoma:							
Oklahoma City		104	67		0		
Tulsa	171,000		601	3.51			
Oregon:							
Portland		559	943		2		471.5
Pennsylvania:							
Erie		451	556		0		
Philadelphia	2,064,000	4,190	3,201	1.55	3	.00	1,067.0
Pittsburgh	674,000	2,055	1,525	2.26	5	.00	508.3
Reading	115,000	411	458	3.98	0		
Rhode Island:							
Providence	286,000	153	8159	8.56	8	.01	870.5
Tennessee:							
Knoxville	105,000	54	47	.45	0		
Memphis	190,000	515	395	2.08	0		
Nashville	140,000	91	104	.74	0		
Texas:							
Dallas	218,000	499	534	2.45	0		
El Paso	118,000	1,278	211	1.79	0		
Fort Worth	171,000	1,162	385	2.25	0		
Houston		1,61	70		0		
San Antonio	218,000	24	29	.13	0		
Utah:							
Salt Lake City	138,000	1,062	1,435	10.40	0		
Virginia:							
Norfolk	184,000	379	433	2.35	0		
Richmond	194,000	186	111	.57	1	.01	111.0
Washington:							
Seattle	383,000	1,218	1,070	2.79	0		
Spokane	109,000	619	1,107	10.16	0		
Tacoma	111,000	266	379	3.41	0		
Wisconsin:							
Milwaukee	544,000	12,393	3,656	6.72	0		
Total:							
75 cities	31,415,000	61,779	68,241	2.172	45	.001	1,516.5
86 cities		67,153	75,174		47		1,599.4
87 cities			75,775				

¹ 5 years only.² Includes nonresidents.

DENGUE

City	Cases reported, 1928	Deaths registered, 1928	City	Cases reported, 1928	Deaths registered, 1928
Alabama:			New York:		
Birmingham	1	0	New York		
Florida:			Oklahoma:		
Tampa	1	0	Oklahoma City	2	0

NOTIFIABLE DISEASES—LARGE CITIES—1928

Reported Prevalence for the Year 1928—Continued

DIPHTHERIA

City	Estimated population, July 1, 1928	Estimated expectancy		1928				
		Number of years	Cases	Cases reported	Cases per 1,000 inhabitants	Deaths registered	Deaths per 1,000 inhabitants	Cases reported for each death registered
Alabama:								
Birmingham	222,000	7	190	136	0.61	9	0.04	15.1
California:								
Long Beach		7	138	78	—	4	—	19.5
Los Angeles		7	1,988	1,221	—	78	—	15.7
Oakland	274,000	7	534	344	1.26	28	.10	12.3
San Diego	120,000	7	219	91	.76	7	.06	13.0
San Francisco	585,000	7	1,272	415	.71	20	.03	20.7
Colorado:								
Denver	294,000	7	734	295	1.00	13	.04	22.7
Connecticut:								
Bridgeport		7	312	249	—	24	—	10.4
Hartford	172,000	7	310	227	1.32	15	.09	15.1
New Haven	188,000	7	68	49	.26	6	.03	8.2
Waterbury		7	165	50	—	3	—	16.7
Delaware:								
Wilmington	129,000	7	157	74	.57	8	.06	9.2
District of Columbia:								
Washington	552,000	7	735	1,267	2.30	45	.08	28.2
Florida:								
Jacksonville	141,000	2	105	114	.81	7	.05	16.3
Miami	157,000	6	79	77	.49	7	.04	11.0
Tampa	113,000	6	75	81	.72	4	.04	20.2
Georgia:								
Atlanta	255,000	7	290	185	.73	18	.07	10.3
Illinois:								
Chicago	3,157,000	7	4,123	4,880	1.55	457	.14	10.7
Indiana:								
Fort Wayne	105,000	7	207	170	1.62	7	.07	24.3
Indianapolis	382,000	7	476	263	.69	23	.06	11.4
Iowa:								
Des Moines	152,000	6	162	38	.25	1	.01	38.0
Kansas:								
Kansas City	118,000	7	122	51	.43	5	.04	10.2
Kentucky:								
Louisville	329,000	6	460	139	.42	12	.04	11.6
Louisiana:								
New Orleans	429,000	7	591	509	1.19	36	.08	14.1
Maryland								
Baltimore	830,000	7	1,318	829	1.00	63	.08	13.2
Massachusetts:								
Boston	799,000	7	2,521	989	1.24	63	.08	15.7
Cambridge	126,000	7	206	245	1.94	9	.07	27.2
Fall River	134,000	7	190	116	.87	4	.03	29.0
Lowell	110,000	7	120	110	1.00	13	.12	8.5
Lynn	106,000	7	148	172	1.62	7	.07	24.6
New Bedford	120,000	7	129	255	2.12	11	.09	23.2
Somerville	103,000	7	177	143	1.39	6	.06	23.8
Springfield	150,000	7	171	345	2.30	29	¹ .19	² 11.9
Worcester	198,000	7	282	245	1.24	13	.07	18.8
Michigan:								
Detroit	1,379,000	7	2,458	1,958	1.42	224	.16	8.7
Flint	149,000	7	175	86	.58	5	.03	17.2
Grand Rapids	164,000	7	189	33	.20	0	—	—
Minnesota:								
Duluth	117,000	7	67	43	.37	2	.02	21.5
Minneapolis	456,000	7	1,332	615	1.35	24	.05	25.6
St. Paul		7	790	116	—	5	—	23.2
Missouri:								
Kansas City	391,000	7	272	151	.39	18	.05	8.4
St. Louis	848,000	7	1,804	1,506	1.78	77	.09	19.6
Nebraska:								
Omaha	223,000	7	304	318	1.43	13	.06	24.5

¹ Population, State census, 1925.² Includes 5 nonresidents.

NOTIFIABLE DISEASES—LARGE CITIES—1928

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Reported Prevalence for the Year 1928—Continued

DIPHTHERIA—Continued

City	Estimated population, July 1, 1928	Estimated expectancy		1928				
		Number of years	Cases	Cases reported	Cases per 1,000 inhabitants	Deaths registered	Deaths per 1,000 inhabitants	Cases reported for each death registered
New Jersey:								
Camden	135,000	7	327	254	1.88	18	0.13	14.1
Elizabeth		7	409	230		18		12.8
Jersey City	325,000	7	767	851	2.62	61	.19	14.0
Newark	474,000	7	634	1,361	2.87	95	.20	14.3
Paterson	145,000	7	236	246	1.70	13	.09	18.9
Trenton	139,000	7	247	118	.85	4	.03	29.5
New York:								
Albany	120,000	7	212	51	.42	6	.05	8.5
Buffalo	556,000	7	686	718	1.29	63	.11	11.4
New York	6,018,000	7	9,687	10,776	1.79	642	.11	16.8
Rochester	328,000	7	496	262	.80	12	.04	21.8
Syracuse	199,000	7	369	178	.39	14	.02	19.5
Utica	104,000	7	347	38	.37	1	.01	38.0
Yonkers	121,000	7	227	152	1.26	11	.09	13.8
Ohio:								
Akron		7	245	283		28		10.1
Canton	117,000	7	213	30	.26	2	.02	15.0
Cincinnati	414,000	7	439	430	1.04	36	.09	11.9
Cleveland	1,010,000	7	1,788	1,590	1.57	104	.10	15.3
Columbus	299,000	7	381	130	.43	6	.02	21.7
Dayton	185,000	7	185	89	.48	6	.03	14.8
Toledo	313,000	7	386	122	.39	9	.03	13.6
Youngstown	174,000	7	172	144	.83	29	.17	5.0
Oklahoma:								
Oklahoma City		7	104	228		22		10.4
Tulsa	171,000			198	1.16			
Oregon:								
Portland		7	604	253		10		25.3
Pennsylvania:								
Erie		7	183	182		11		16.5
Philadelphia	2,064,000	7	3,310	1,964	.95	230	.11	8.5
Pittsburgh	674,000	7	1,321	1,895	1.33	378	.12	11.5
Reading	115,000	7	157	90	.78	7	.06	12.9
Rhode Island:								
Providence	286,000	7	429	1,417	1.46	25	.09	16.7
Tennessee:								
Knoxville	105,000	7	69	33	.31	5	.05	6.6
Memphis	190,000	7	248	182	.96	11	.06	16.5
Nashville	140,000	7	81	139	.99	9	.06	15.4
Texas:								
Dallas	218,000	7	338	447	2.05	26	.12	17.2
El Paso	118,000	6	61	47	.40	11	.09	4.3
Fort Worth	171,000	7	139	258	1.51	10	.06	25.8
Houston		7	245	388		14		27.7
San Antonio	218,000	6	178	162	.74	27	.12	6.0
Utah:								
Salt Lake City	138,000	7	198	86	.62	7	.05	12.3
Virginia:								
Norfolk	184,000	7	81	71	.39	7	.04	10.1
Richmond	194,000	7	418	307	1.58	13	.07	23.6
Washington:								
Seattle	383,000	7	214	86	.22	4	.01	21.5
Spokane	109,000	7	234	74	.68	8	.07	9.2
Tacoma	111,000	7	153	29	.26	0		
Wisconsin:								
Milwaukee	544,000	7	816	382	.70	35	.06	10.9
Total:								
75 cities	31,415,000		49,016	40,673	1.295	2,944	.094	13.8
86 cities			54,199	43,951		3,161		13.9
87 cities				44,149				

¹ Includes nonresidents.

Reported Prevalence for the Year 1928—Continued

INFLUENZA

City	Estimated population, July 1, 1928	Cases reported, 1928	Cases per 1,000 inhabitants	Deaths registered, 1928	Deaths per 1,000 inhabitants	Cases reported for each death registered
Alabama:						
Birmingham	222,000	3,064	13.80	192	0.86	16.0
California:						
Long Beach		1,670		34		49.1
Los Angeles		13,049		369		35.4
Oakland	274,000	115	.42	77	.28	1.5
San Diego	120,000	1,877	15.64	63	.52	29.8
San Francisco	585,000	4,350	7.44	145	.25	30.0
Colorado:						
Denver	294,000	4,169	14.18	313	1.06	13.3
Connecticut:						
Bridgeport		63		31		2.0
Hartford	172,000	82	.48	20	.12	4.1
New Haven	188,000	73	.39	26	.14	2.8
Waterbury		44		26		1.7
Delaware:						
Wilmington	129,000			22	.17	
District of Columbia:						
Washington	552,000	656	1.19	88	.16	7.5
Florida:						
Jacksonville	141,000	448	3.18	60	.43	7.5
Miami	157,000	90	.57	27	.17	3.3
Tampa	113,000	292	2.58	43	.38	6.8
Georgia:						
Atlanta	255,000	5,826	22.85	187	.73	31.2
Illinois:						
Chicago	3,157,000	4,431	1.40	614	.19	7.2
Indiana:						
Fort Wayne	105,000			15	.14	
Indianapolis	382,000			166	.43	
Iowa:						
Des Moines	152,000			76	.50	
Kansas:						
Kansas City	118,000	188	1.59	61	.52	3.1
Kentucky:						
Louisville	329,000	702	2.13	3	.01	234.0
Louisiana:						
New Orleans	429,000	2,503	5.83	350	.82	7.2
Maryland:						
Baltimore	830,000	2,174	2.62	158	.19	13.8
Massachusetts:						
Boston	799,000	339	.42	62	.08	5.5
Cambridge	126,000	54	.43	5	.04	10.8
Fall River	134,000	50	.37	20	.15	2.5
Lowell	110,000	22	.20	4	.04	5.5
Lynn	106,000	24	.23	6	.06	4.0
New Bedford	120,000	13	.11	3	.02	4.3
Somerville	103,000	18	.17	0		
Springfield	150,000	30	.20	26		
Worcester	198,000	32	.16	18	.09	1.8
Michigan:						
Detroit	1,379,000	3,277	2.38	320	.23	10.2
Flint	149,000	979	6.57	30	.20	32.6
Grand Rapids	164,000	800	4.88	87	.53	9.2
Minnesota:						
Duluth	117,000	205		54	.46	
Minneapolis	456,000	6,317	13.85	163	.36	38.8
St. Paul				71		
Missouri:						
Kansas City	391,000			165	.42	
St. Louis	848,000			10	.01	
New Jersey:						
Camden	135,000	35	.26	30	.22	1.2
Elizabeth		49		11		4.5
Jersey City	325,000			49	.15	
Newark	474,000	775	1.64	36	.08	21.5
Paterson	145,000	105	.72	15	.10	7.0
Trenton	139,000	156	1.12	20	.14	7.8
New York:						
Albany	120,000			19	.16	
Buffalo	556,000	442	.79	38	.07	11.6
New York	6,018,000	2,878	.48	899	.15	3.2
Rochester	328,000	96	.29	23	.07	4.2
Syracuse	199,000			25	.13	
Yonkers	121,000			4	.03	

¹ Population, State census, 1925.² Incomplete report.³ Includes nonresidents.

Reported Prevalence for the Year 1928—Continued

INFLUENZA—Continued

City	Estimated population, July 1, 1928	Cases reported, 1928	Cases per 1,000 inhabitants	Deaths registered, 1928	Deaths per 1,000 inhabitants	Cases reported for each death registered
Ohio:						
Akron		1,000		48		20.8
Canton	117,000	4,750		22	0.19	
Cincinnati	414,000	308	0.74	128	.31	2.4
Cleveland	1,010,000	4,670	4.62	209	.21	22.3
Columbus	299,000	1,247	4.17	121	.40	10.3
Dayton	185,000			52	.28	
Toledo	313,000	265	.85	199	.64	1.3
Youngstown	174,000	533	3.06	59	.34	0.0
Oklahoma:						
Oklahoma City		439		48		9.1
Oregon:						
Portland		811		58		14.0
Pennsylvania:						
Erie		918		28		32.8
Philadelphia	2,064,000	1,310	.63	484	.23	2.7
Pittsburgh	674,000			3483	.72	
Reading	115,000			31	.27	
Rhode Island:						
Providence	286,000			325	.09	
Tennessee:						
Knoxville	105,000	7,477	71.21	68	.65	110.0
Memphis	190,000	3,467	18.25	113	.59	30.7
Nashville	140,000	54,000	38.57	108	.77	
Texas:						
Dallas	218,000	131	.60	104	.48	1.3
El Paso	118,000			83	.70	
Fort Worth	171,000	1,231	7.20	44	.26	28.0
Houston		284		44		6.5
San Antonio	218,000			181	.83	
Utah:						
Salt Lake City	138,000			112	.81	
Virginia:						
Norfolk	184,000	313	1.70	6	.03	52.2
Richmond	194,000	2,058	10.61	45	.23	45.7
Washington:						
Seattle	383,000			117	.31	
Spokane	109,000	193	1.77	75	.69	2.6
Tacoma	111,000	514	4.63	21	.19	24.5
Wisconsin:						
Milwaukee	544,000	5,884	10.82	138	.25	42.6
Total:						
53 cities	25,965,000	81,083	3.123	6,154	.237	13.2
73 cities	31,088,000			7,865	.253	
63 cities		99,410				
84 cities				8,633		

LETHARGIC ENCEPHALITIS

Alabama:						
Birmingham	222,000	6	0.03	2	0.01	3.0
California:						
Los Angeles		6		5		1.2
Oakland	274,000	2	.01	2	.01	1.0
San Diego	120,000	2	.02	2	.02	1.0
San Francisco	585,000	13	.02	8	.01	1.6
Colorado:						
Denver	294,000			9	.03	
Connecticut:						
Bridgeport		4		4		1.0
Hartford	172,000			3	.02	
Waterbury		6		3		2.0
District of Columbia:						
Washington	552,000	6	.01	5	.01	1.2
Florida:						
Jacksonville	141,000			3	.02	
Miami	157,000	1	.01	1	.01	1.0
Georgia:						
Atlanta	255,000			2	.01	
Illinois:						
Chicago	3,157,000	29	.01	16	.01	1.8
Iowa:						
Des Moines	152,000			5	.03	

³ Includes nonresidents.⁴ For December only.⁵ Approximated.

Reported Prevalence for the Year 1928—Continued

LETHARGIC ENCEPHALITIS—Continued

City	Estimated population, July 1, 1928	Cases reported, 1928	Cases per 1,000 inhabitants	Deaths registered, 1928	Deaths per 1,000 inhabitants	Cases reported for each death registered
Kansas:						
Kansas City	118,000	3	.03	2	.02	1.5
Kentucky:						
Louisville	329,000	4	.01	2	.01	2.0
Louisiana:						
New Orleans	429,000	6	.01	5	.01	1.2
Maryland:						
Baltimore	830,000			26	.03	
Massachusetts:						
Boston	799,000	20	.03	14	.02	1.4
Cambridge	126,000	1	.01	0		
Lowell	110,000	2	.02	1	.01	2.0
Lynn	106,000	5	.05	3	.03	1.7
Somerville	103,000	3	.03	1	.01	3.0
Springfield	150,000	1	.01	0		
Worcester	198,000	13	.07	9	.05	1.4
Michigan:						
Detroit	1,379,000	34	.02	18	.01	1.9
Grand Rapids	164,000			2	.01	
Minnesota:						
Duluth	117,000			3	.03	
Minneapolis	456,000			11	.02	
St. Paul				5		
Missouri:						
Kansas City	391,000			9	.02	
St. Louis	848,000			11	.01	
New Jersey:						
Camden	135,000	4	.03	4	.03	1.0
Elizabeth		5		5		1.0
Jersey City	325,000			3	.01	
Newark	474,000	20	.04	5	.01	4.0
Paterson	145,000			2	.01	
Trenton	139,000	2	.01	2	.01	1.0
New York:						
Albany	120,000	4	.03	2	.02	2.0
Buffalo	556,000	7	.01	3	.01	2.3
New York	6,018,000	193	.03	110	.02	1.8
Rochester	328,000	2	.01	0		
Syracuse	199,000			1	.01	
Yonkers	121,000	2	.02	2	.02	1.0
Ohio:						
Akron				1		
Canton	117,000			5	.04	
Cincinnati	414,000			3	.01	
Cleveland	1,010,000	17	.02	11	.01	1.5
Columbus	299,000			13	.04	
Dayton	185,000			7	.04	
Toledo	313,000	8	.03	7	.02	1.1
Youngstown	174,000			1	.01	
Oklahoma:				7		
Oklahoma City						
Oregon:				5		
Portland						
Pennsylvania:						
Erie		1		1		1.0
Philadelphia	2,064,000	33	.02	31	.02	1.1
Pittsburgh	674,000			2	.02	
Reading	115,000			3	.03	
Rhode Island:						
Providence	286,000	2	.01	2	.01	2.0
Tennessee:						
Memphis	190,000	4	.02	4	.02	1.0
Nashville	140,000	9	.06	6	.04	1.5
Texas:						
Dallas	218,000	4	.02	4	.02	1.0
El Paso	118,000			3	.03	
Fort Worth	171,000			11	.06	
Houston		1		1		1.0
San Antonio	218,000			2	.01	
Utah:						
Salt Lake City	138,000			3	.02	
Virginia:						
Norfolk	184,000			2	.01	
Richmond	194,000			3	.02	
Washington:						
Seattle	383,000			4	.01	
Spokane	109,000	9	.08	8	.07	1.1
Tacoma	111,000			3	.03	

¹ Population, State census, 1925.² Incomplete report.³ Includes nonresidents.

Reported Prevalence for the Year 1928—Continued

LETHARGIC ENCEPHALITIS—Continued

City	Estimated population, July 1, 1928	Cases reported, 1928	Cases per 1,000 inhabitants	Deaths registered, 1928	Deaths per 1,000 inhabitants	Cases reported for each death registered
Wisconsin:						
Milwaukee.....	544,000	11	0.02	4	0.01	2.7
Total:						
35 cities.....	21,679,000	482	.022	296	.014	1.6
64 cities.....	29,663,000			465	.016	
41 cities.....		505				
74 cities.....				502		

MALARIA

Alabama:						
Birmingham.....	222,000	121	0.55	8	0.04	15.1
California:						
Los Angeles.....		1		0		
Oakland.....	274,000	3	.01	0		
San Francisco.....	585,000	2	.00	1	.00	2.0
Connecticut:						
Hartford.....	172,000	1	.01	0		
District of Columbia:						
Washington.....	552,000			1	.00	
Florida:						
Jacksonville.....	141,000	37	.26	13	.09	2.8
Miami.....	157,000	10	.06	1	.01	10.0
Tampa.....	113,000	31	.27	3	.03	10.3
Georgia:						
Atlanta.....	255,000	15	.06	3	.01	5.0
Illinois:						
Chicago.....	3,157,000	15	.00	1	.00	15.0
Kentucky:						
Louisville.....	329,000	1	.00	0		
Louisiana:						
New Orleans.....	429,000	156	.36	3	.01	52.0
Maryland:						
Baltimore.....	830,000	1	.00	1	.00	1.0
Massachusetts:						
Boston.....	799,000	7	.01	0		
Cambridge.....	126,000	1	.01	0		
Lynn.....	106,000			1	.01	
Michigan:						
Detroit.....	1,379,000	33	.02	0		
Flint.....	149,000	9	.06	0		
Missouri:						
Kansas City.....	391,000			4	.01	
St. Louis.....	848,000	85	.10	8	.01	10.6
New Jersey:						
Trenton.....	139,000	1	.01	0		
New York:						
Buffalo.....	556,000	2	.00	0		
New York.....	6,018,000	69	.01	5	.00	13.8
Ohio:						
Akron.....		2		1		
Cleveland.....	1,010,000	11	.01	0		
Oklahoma:						
Oklahoma City.....		2		2		
Oregon:						
Portland.....				1		
Pennsylvania:						
Philadelphia.....	2,064,000			3	.00	
Tennessee:						
Knoxville.....	105,000	1	.01	0		
Memphis.....	190,000	671	3.53	22	.12	30.5
Nashville.....	140,000	78	.56	2	.01	39.0
Texas:						
Dallas.....	218,000	13	.06	9	.04	1.4
Fort Worth.....	171,000			4	.02	
Houston.....				6		
San Antonio.....	218,000			7	.03	
Virginia:						
Norfolk.....	184,000	3	.02	1	.01	3.0
Total:						
26 cities.....	18,525,000	1,377	.074	81	.004	17.0
32 cities.....	22,027,000			101	.005	
29 cities.....		1,382				
37 cities.....				111		

Reported Prevalence for the Year 1928—Continued

MEASLES

City	Estimated population, July 1, 1928	Estimated expectancy		1928				
		Number of years	Cases	Cases reported	Cases per 1,000 inhabitants	Deaths registered	Deaths per 1,000 inhabitants	Cases reported for each death registered
Alabama:								
Birmingham	222,000	7	821	1,357	6.11	16	0.07	84.8
California:								
Long Beach		7	347	324	—	0	—	
Los Angeles		6	2,277	666	—	4	—	166.5
Oakland	274,000	7	624	133	.49	1	.00	133.0
San Diego	120,000	5	304	220	1.83	0	—	
San Francisco	585,000	7	1,892	693	1.18	1	.00	693.0
Colorado:								
Denver	294,000	5	888	1,245	4.23	1	.00	1,245.0
Connecticut:								
Bridgeport		7	409	276	—	7	—	39.4
Hartford	172,000	7	367	895	5.20	12	.07	74.6
New Haven	188,000	7	957	2,853	15.18	14	.07	203.8
Waterbury		7	75	171	—	2	—	85.5
Delaware:								
Wilmington	129,000	7	198	416	3.22	1	.01	416.0
District of Columbia:								
Washington	552,000	7	794	3,576	6.48	17	.03	210.4
Florida:								
Jacksonville	141,000	2	1,159	877	6.22	4	.03	219.2
Miami	157,000	6	163	73	.46	0	—	
Tampa	113,000	5	112	27	.24	0	—	
Georgia:								
Atlanta	255,000	7	486	346	1.36	5	.02	69.2
Illinois:								
Chicago	3,157,000	7	11,673	1,602	.51	24	.01	66.7
Indiana:								
Fort Wayne	105,000	7	660	35	.33	0	—	
Indianapolis	382,000	5	566	2,293	6.00	4	.01	573.2
Iowa:								
Des Moines	152,000	5	50	40	.26	0	—	
Kansas:								
Kansas City	118,000	7	366	241	2.04	1	.01	241.0
Kentucky:								
Louisville	329,000	6	1,096	1,720	5.23	0	—	
Louisiana:								
New Orleans	429,000	7	411	47	.11	2	.00	23.5
Maryland:								
Baltimore	830,000	7	4,256	12,229	14.73	64	.08	191.1
Massachusetts:								
Boston	799,000	7	4,758	8,220	10.29	71	.09	115.8
Cambridge	126,000	7	908	2,082	16.52	11	.09	189.3
Fall River	134,000	7	537	1,518	11.33	18	.13	84.3
Lowell	110,000	5	196	1,382	12.56	6	.05	230.3
Lynn	106,000	7	504	1,403	13.24	3	.03	467.7
New Bedford	120,000	6	452	531	4.42	0	—	
Somerville	103,000	7	489	842	8.17	4	.04	210.5
Springfield	150,000	5	146	1,081	7.21	7	.05	154.4
Worcester	198,000	6	604	982	4.96	3	.02	327.3
Michigan:								
Detroit	1,379,000	6	3,165	14,711	10.67	163	.12	90.3
Flint	149,000	7	337	2,009	13.48	26	.17	77.3
Grand Rapids	164,000	5	181	579	3.53	2	.01	289.5
Minnesota:								
Duluth	117,000	7	186	18	.15	0	—	
Minneapolis	456,000	6	1,054	1,653	3.62	6	.01	275.5
St. Paul		7	689	137	—	0	—	
Missouri:								
Kansas City	391,000	7	1,350	1,102	2.82	4	.01	275.5
St. Louis	848,000	7	878	4,995	5.89	33	.04	151.4
Nebraska:								
Omaha	223,000	7	611	37	.17	0	—	
New Jersey:								
Camden	135,000	7	147	953	7.06	18	.13	52.9
Elizabeth		7	394	259	—	0	—	
Jersey City	325,000	7	588	1,369	4.21	32	.10	42.8
Newark	474,000	7	3,031	6,329	13.35	47	.10	134.7
Paterson	145,000	6	669	2,027	13.98	6	.04	337.8
Trenton	139,000	7	300	301	2.17	4	.03	75.2

¹ Population, State census, 1925.

Reported Prevalence for the Year 1928—Continued

MEASLES—Continued

City	Estimated population, July 1, 1928	Estimated expectancy		1928				
		Number of years	Cases	Cases reported	Cases per 1,000 inhabitants	Deaths registered	Deaths per 1,000 inhabitants	Cases reported for each death registered
New York:								
Albany	120,000	7	891	44	0.37	0		
Buffalo	556,000	7	1,036	6,502	11.69	31	.06	209.7
New York	6,018,000	7	13,999	35,008	5.82	346	.06	101.2
Rochester	328,000	7	1,712	1,569	4.78	6	.02	261.5
Syracuse	199,000	7	1,446	2,817	14.16	10	.05	281.7
Utica	104,000	7	809	24	.23	0		
Yonkers	121,000	7	337	980	8.10	3	.02	326.7
Ohio:								
Akron		7	551	575		3		191.7
Canton	117,000	7	612	505	4.32	2	.02	252.5
Cincinnati	414,000	7	1,410	3,374	8.15	44	.11	76.7
Cleveland	1,010,000	7	2,466	3,211	3.18	14	.01	229.4
Columbus	299,000	6	595	1,556	5.20	9	.03	172.9
Dayton	185,000	7	55	173	.94	8	.04	21.6
Toledo	313,000	7	2,097	5,476	17.50	7	.02	782.3
Youngstown	174,000	7	817	922	5.30	0		
Oklahoma:								
Oklahoma City		7	77	360		1		360.0
Tulsa	171,000			78	.46			
Oregon:								
Portland		5	983	634		3		211.3
Pennsylvania:								
Erie		7	657	157		1		157.0
Philadelphia	2,064,000	6	5,752	15,630	7.57	150	.07	104.2
Pittsburgh	674,000	6	3,812	3,980	2.5.91	46	.07	86.5
Reading	115,000	5	479	411	3.57	0		
Rhode Island:								
Providence	286,000	7	1,928	2,4,007	2 14.01	36	.13	2 111.3
Tennessee:								
Knoxville	105,000	7	318	413	3.93	6	.06	68.8
Memphis	190,000	7	949	2,132	11.22	9	.05	236.9
Nashville	140,000	7	250	556	3.97	4	.03	139.0
Texas:								
Dallas	218,000	5	1,641	206	.94	1	.00	206.0
El Paso	118,000	6	671	1,906	16.15	98	.83	19.4
Fort Worth	171,000	5	18	111	.65	3	.02	37.0
Houston		5	31	553		6		92.2
San Antonio	218,000	7	85	510	2.34	75	.34	6.8
Utah:								
Salt Lake City	138,000	7	1,939	55	.40	1	.01	55.0
Virginia:								
Norfolk	184,000	5	249	873	4.74	0		
Richmond	194,000	5	1,265	2,263	11.66	9	.05	251.4
Washington:								
Seattle	383,000	6	1,132	3,116	8.14	7	.02	446.1
Spokane	109,000	7	1,245	202	1.85	0		
Tacoma	111,000	7	123	406	3.66	0		
Wisconsin:								
Milwaukee	544,000	7	4,381	829	1.52	0		
Total:								
75 cities	31,415,000		103,453	184,809	5.883	1,556	.050	118.8
86 cities			109,943	188,921		1,583		119.3
87 cities				188,999				

² Includes nonresidents.

Reported Prevalence for the Year 1928—Continued

MENINGOCOCCUS MENINGITIS

City	Estimated population, July 1, 1928	Estimated expectancy		1928				
		Number of years	Cases	Cases reported	Cases per 1,000 inhabitants	Deaths registered	Deaths per 1,000 inhabitants	Cases reported for each death registered
Alabama:								
Birmingham	222,000	7	5	8	.04	7	.03	1.1
California:								
Long Beach		4	3	6		6		1.0
Los Angeles		7	25	61		29		2.1
Oakland		5	4	11	.04	4	.01	2.7
San Diego	120,000	6	5	14	.12	7	.06	2.0
San Francisco	585,000	7	19	40	.07	22	.04	1.8
Colorado:								
Denver	294,000	5	1	103	.35	67	.23	1.5
Connecticut:								
Bridgeport		7	5	8		7		1.1
Hartford	172,000	6	4			4	.02	
New Haven	188,000	6	6	7	.04	1	.01	7.0
Waterbury		7	4	2		2		1.0
Delaware:								
Wilmington	129,000	7	2			1	.01	
District of Columbia:								
Washington	552,000	7	4	8	.01	5	.01	1.6
Florida:								
Jacksonville	141,000	2	0	8	.06	0		
Tampa	113,000	3	3	4	.04	3	.03	1.3
Georgia:								
Atlanta	255,000	4	6	7	.03	7	.03	1.0
Illinois:								
Chicago	3,157,000	7	55	364	.12	181	.06	2.0
Indiana:								
Fort Wayne	105,000	6	0	3	.03	1	.01	3.0
Indianapolis	382,000	7	4	8	.02	2	.01	4.0
Iowa:								
Des Moines	152,000	4	1	5	.03	3	.02	1.7
Kansas:								
Kansas City	118,000	6	8	31	.26	12	.10	2.6
Kentucky:								
Louisville	329,000	5	5	7	.02	4	.01	1.7
Louisiana:								
New Orleans	429,000	6	7	18	.04	7	.02	2.6
Maryland:								
Baltimore	830,000	7	24	17	.02	9	.01	1.9
Massachusetts:								
Boston	799,000	7	35	30	.04	17	.02	1.8
Cambridge	126,000	7	4	1	.01	0		
Fall River	134,000	6	6	3	.02	3	.02	
Lowell	110,000	6	4	3	.03	0		
Lynn	106,000	7	5	2	.02	1	.01	2.0
New Bedford	120,000	6	3	2	.02	2	.02	1.0
Somerville	103,000	7	2	1	.01	1	.01	1.0
Springfield	150,000	4	3	6	.04	3	.02	2.0
Michigan:								
Detroit	1,379,000	6	46	153	.11	100	.07	1.5
Flint	149,000	5	0			9	.06	
Grand Rapids	164,000	6	0	3	.02	1	.01	3.0
Minnesota:								
Duluth	117,000	5	4	17	.15	5	.04	3.4
Minneapolis	456,000	5	5	38	.08	11	.02	3.5
St. Paul		7	3	14		5		2.8
Missouri:								
Kansas City	391,000	6	14	80	.20	65	.17	1.2
St. Louis	848,000	7	29	156	.18	51	.06	3.1
Nebraska:								
Omaha	223,000	5	1	14	.06	1	.00	14.0
New Jersey:								
Camden	135,000	7	0	2	.01	2	.01	1.0
Elizabeth		3	2			2		
Jersey City	325,000	7	12	34	.10	5	.02	6.8
Newark	474,000	7	20	36	.08	14	.03	2.6
Paterson	145,000	5	4	7	.05	0		

¹ Population, State census, 1925.

Reported Prevalence for the Year 1928—Continued

MENINGOCOCCUS MENINGITIS—Continued

City	Estimated population, July 1, 1928	Estimated expectancy		1928				
		Number of years	Cases	Cases reported	Cases per 1,000 inhabitants	Deaths registered	Deaths per 1,000 inhabitants	Cases reported for each death registered
New York:								
Albany	120,000	5	2	1	0.01	1	0.01	1.0
Buffalo	556,000	7	12	14	.03	8	.01	1.7
New York	6,018,000	7	170	1,102	.18	540	.09	2.0
Rochester	328,000	4	2	4	.01	2	.01	2.0
Syracuse	199,000	6	2	2	.01	1	.01	2.0
Utica	104,000	7	0	2	.02	0		
Yonkers	121,000	7	2	6	.05	2	.02	3.0
Ohio:								
Akron		5	3	5		3		1.7
Cincinnati	414,000	4	8	18	.04	13	.03	1.4
Cleveland	1,010,000	6	21	101	.10	40	.04	2.5
Columbus	299,000	5	4	8	.03	7	.02	1.1
Dayton	185,000	5	2	7	.04	5	.03	1.4
Toledo	313,000	6	2	30	.10	17	.05	1.8
Youngstown	174,000	5	1	15	.09	6	.03	2.5
Oklahoma:								
Oklahoma City		7	1	4		4		1.0
Tulsa	171,000			16	.09			
Oregon:								
Portland		4	7	17		10		1.7
Pennsylvania:								
Erie		7	0	1		1		1.0
Philadelphia	2,064,000	7	25	68	.03	33	.02	2.1
Pittsburgh	674,000	5	12	279	.12	241	.06	2.1
Reading	115,000	6	1	2	.02	2	.02	1.0
Rhode Island:								
Providence	286,000	7	6	27	.02	24	.01	2.1
Tennessee:								
Memphis	190,000	7	7	22	.12	13	.07	1.7
Nashville	140,000	7	5	11	.08	8	.06	1.4
Texas:								
Dallas	218,000	5	4	3	.01	3	.01	1.0
Fort Worth	171,000	6	0			17	.10	
Houston		5	1	7		1		7.0
San Antonio	218,000			4	.02	3	.01	1.3
Utah:								
Salt Lake City	138,000	5	4	44	.32	20	.14	2.2
Virginia:								
Norfolk	184,000	6	3	4	.02	2	.01	2.0
Richmond	194,000	6	3	4	.02	1	.01	4.0
Washington:								
Seattle	383,000			22	.06	9	.02	2.4
Spokane	109,000	7	2	37	.34	18	.17	2.1
Tacoma	111,000	5	6	7	.06	5	.05	1.4
Wisconsin:								
Milwaukee	544,000			95	.17	51	.09	1.9
Total:								
62 cities	28,815,000		660	2,849	.099	1,416	.049	2.0
65 cities	29,960,000			2,970	.099	1,479	.049	2.0
69 cities	30,581,000					1,510	.049	
76 cities				3,111				
80 cities						1,580		

* Includes nonresidents.

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Reported Prevalence for the Year 1928—Continued

MUMPS

City	Estimated population, July 1, 1928	Average, 1922-1927	1928				
			Cases reported	Cases per 1,000 inhabitants	Deaths registered	Deaths per 1,000 inhabitants	Cases reported for each death registered
California:							
Long Beach		227	124	-----	0	-----	
Los Angeles		347	1,433	1	1	1,433.0	
Oakland	274,000	182	418	1.53	0	-----	
San Diego	120,000	183	328	2.73	0	-----	
San Francisco	585,000	2411	1,072	1.83	0	-----	
Colorado:							
Denver	294,000	1197	2,419	8.23	0	-----	
Connecticut:							
Bridgeport		39	16	-----	0	-----	
Hartford	172,000	108	227	1.32	0	-----	
New Haven	188,000	119	1,186	6.31	0	-----	
Waterbury		29	83	-----	1	83.0	
Delaware:							
Wilmington		129,000	215	129	1.00	0	-----
Florida:							
Jacksonville		141,000	3260	77	.55	0	-----
Miami		157,000	18	153	.97	0	-----
Tampa		113,000	111	58	.51	0	-----
Georgia:							
Atlanta		255,000	105	195	.76	0	-----
Illinois:							
Chicago	3,157,000	1,888	1,182	.37	1	0.00	1,182.0
Indiana:							
Indianapolis		382,000	1161	1,987	5.20	0	-----
Kansas:							
Kansas City		118,000	271	392	3.32	0	-----
Kentucky:							
Louisville		329,000	20	199	.60	0	-----
Maryland:							
Baltimore		830,000	1,840	1,213	1.46	2	.00
Massachusetts:							
Boston		799,000	1,277	282	.35	0	-----
Cambridge		126,000	441	38	.30	0	-----
Fall River		134,000	69	23	.17	0	-----
Lowell		110,000	77	26	.24	0	-----
Lynn		106,000	60	137	1.29	0	-----
New Bedford		120,000	62	116	.97	0	-----
Somerville		103,000	79	21	.20	0	-----
Springfield		150,000	193	891	5.94	0	-----
Worcester		198,000	246	1,340	6.77	0	-----
Michigan:							
Detroit		1,379,000	2503	1,249	.91	0	-----
Flint		149,000	218	2,267	15.21	0	-----
Grand Rapids		164,000	162	310	1.89	0	-----
Minnesota:							
Duluth		117,000	102	220	1.88	0	-----
Minneapolis		456,000	2106	2,845	6.24	0	-----
St. Paul			310	1,215	-----	0	-----
Missouri:							
Kansas City		391,000	342	2,540	6.50	0	-----
St. Louis		848,000	595	400	.47	0	-----
Nebraska:							
Omaha		223,000	218	60	.27	0	-----

¹ 5 years only.² 4 years only.³ 2 years only.⁴ 3 years only.⁵ Population, State census, 1925.

NOTIFIABLE DISEASES - LARGE CITIES - 1928

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Reported Prevalence for the Year 1928 - Continued

MUMPS - Continued

City	Estimated population July 1, 1928	Average, 1922-1927	1928				
			Cases reported	Cases per 1,000 inhabitants	Deaths registered	Deaths per 1,000 inhabitants	Cases reported for each death registered
New Jersey:							
Camden	135,000	53	107	0.79	0		
Elizabeth		279	327		0		
Newark	474,000	1,050	777	1.64	0		
Paterson	145,000	79	11	.08	0		
Trenton	139,000	14	26	.19	0		
New York:							
Albany	120,000	1 111	51	.42	0		
Buffalo	556,000	455	1,145	2.06	3	.01	381.7
New York	6,018,000	4,149	1,420	.24	0		
Rochester	328,000	390	684	2.09	0		
Syracuse	199,000	382	6 333	1.67	0		
Utica	104,000	93	86	.83	0		
Yonkers	121,000	140	185	1.53	0		
Ohio:							
Akron		298	215		0		
Canton	117,000	195	497	4.25	0		
Cincinnati	414,000	1 350	65	.16	0		
Cleveland	1,010,000	1 266	3,611	3.58	0		
Columbus	299,000	1 49	197	.66	2	.01	98.5
Dayton	185,000	1 10	19	.10	0		
Toledo	313,000	1 17	381	1.22	0		
Youngstown	174,000	20	55	.32	0		
Oklahoma:							
Tulsa	171,000		624	3.65			
Oregon:							
Portland		160	129		1		129.0
Pennsylvania:							
Erie		1 71	256		0		
Philadelphia	2,064,000	1 889	2,041	.99	0		
Pittsburgh	674,000	1 442	6 2,035	83.02	6 2	6 00	6 1,017.5
Reading	115,000	321	47	.41	0		
Rhode Island:							
Providence	286,000	58	6 164	6.57	0		
Tennessee:							
Knoxville	105,000	2 33	7	.07	0		
Memphis	190,000	194	396	2.08	1	.01	396.0
Nashville	140,000	25	90	.64	2	.01	45.0
Texas:							
Dallas	218,000	119	5	.02	0		
El Paso	118,000	1 206	333	2.82	2	.02	166.5
Fort Worth	171,000	1 7	81	.47	1	.01	81.0
Houston		1 8	20		0		
San Antonio	218,000	4	18	.08	0		
Virginia:							
Norfolk	184,000	1 46	64	.35	0		
Richmond	194,000	70	44	.23	0		
Washington:							
Seattle	383,000	985	336	.88	0		
Spokane	109,000	82	97	.89	1	.01	97.0
Tacoma	111,000	93	1,097	9.88	0		
Wisconsin:							
Milwaukee	544,000	1 1,003	828	1.52	0		
Total:							
68 cities	29,492,000	22,429	41,333	1.401	17	.0006	2,431.4
78 cities		24,197	45,151		20		2,257.6
79 cities			45,775				

¹ 5 years only.² 4 years only.⁶ Includes nonresidents.

Reported Prevalence for the Year 1928—Continued

PELLAGRA

City	Estimated population, July 1, 1928	Cases reported, 1928	Cases per 1,000 inhabitants	Deaths registered, 1928	Deaths per 1,000 inhabitants	Cases reported for each death registered
Alabama:						
Birmingham	222,000	45	0.20	31	0.14	1.5
California:						
Long Beach		1		9		
Los Angeles		12		7		1.7
Oakland	274,000			4	.01	
San Diego	120,000			1	.01	
San Francisco	585,000	8	.01	8	.01	1.0
Colorado:						
Denver	294,000			1	.00	
District of Columbia:						
Washington	552,000	2	.00	2	.00	1.0
Florida:						
Jacksonville	141,000			46	.33	
Miami	157,000	14	.09	10	.06	1.4
Tampa	113,000			14	.12	
Georgia:						
Atlanta	255,000			48	.19	
Illinois:						
Chicago	3,157,000			28	.01	
Kentucky:						
Louisville	329,000	1	.00	0		
Louisiana:						
New Orleans	429,000	129	.30	43	.10	3.0
Maryland:						
Baltimore	830,000			6	.01	
Massachusetts:						
Boston	799,000	13	.02	4	.01	3.2
Michigan:						
Detroit	1,379,000	2	.00	2	.00	1.0
Minnesota:						
Minneapolis	456,000	7	.02	1	.00	7.0
Missouri:						
Kansas City	391,000			3	.01	
St. Louis	848,000			9	.01	
New York:						
New York	6,018,000	4	.00	4	.00	1.0
Syracuse	199,000			1	.01	
Ohio:						
Cleveland	1,010,000			13	.01	
Oklahoma:						
Oklahoma City				5		
Pennsylvania:						
Philadelphia	2,064,000	7	.00	7	.00	1.0
Rhode Island:						
Providence	286,000	1	.00	1	.00	1.0
Tennessee:						
Knoxville	105,000			25	.24	
Memphis	190,000	24	.13	16	.08	1.5
Nashville	140,000	26	.19	9	.06	2.9
Texas:						
Dallas	218,000	34	.16	34	.16	1.0
El Paso	118,000			3	.03	
Fort Worth	171,000			36	.21	
Houston				21		
San Antonio	218,000			14	.06	
Virginia:						
Norfolk	184,000	4	.02	4	.02	1.0
Richmond	194,000			11	.06	
Washington:						
Seattle	383,000			1	.00	
Total:						
34 cities	22,829,000			440	.019	
35 cities				473		

Reported Prevalence for the Year 1928—Continued

PNEUMONIA (ALL FORMS)

City	Estimated population, July 1, 1928	Cases reported, 1928	Cases per 1,000 inhabitants	Deaths registered, 1928	Deaths per 1,000 inhabitants	Cases reported for each death registered
Alabama:						
Birmingham	222,000	826	3.72	407	1.83	2.0
California:						
Long Beach				153		
Los Angeles		3,059		920		3.3
Oakland	274,000			234	.85	
San Diego	120,000	272	2.27	177	1.47	1.5
San Francisco	585,000			566	.97	
Colorado:						
Denver	294,000			521	1.77	
Connecticut:						
Bridgeport		466		178		2.6
Hartford	172,000	487	2.83	146	.85	3.3
New Haven	188,000	267	1.42	242	1.29	1.1
Waterbury		172		109		1.6
Delaware:						
Wilmington	129,000			152	1.18	
District of Columbia:						
Washington	552,000	1,339	2.43	635	1.15	2.1
Florida:						
Jacksonville	141,000			181	1.28	
Miami	157,000	102	.65	51	.32	2.0
Tampa	113,000			70	.62	
Georgia:						
Atlanta	255,000	658	2.58	421	1.65	1.6
Illinois:						
Chicago	3,157,000	11,626	3.68	4,380	1.39	2.7
Indiana:						
Fort Wayne	105,000			115	1.10	
Indianapolis	382,000			572	1.50	
Iowa:						
Des Moines	152,000			116	.76	
Kansas:						
Kansas City	118,000			219	1.86	
Kentucky:						
Louisville	329,000	429	1.30	245	.74	1.8
Louisiana:						
New Orleans	429,000	713	1.66	682	1.59	1.0
Maryland:						
Baltimore	830,000	2,061	2.48	1,431	1.72	1.4
Massachusetts: ¹						
Boston	799,000	1,646	2.06	1,352	1.69	
Cambridge	126,000	239	1.90	175	1.39	
Fall River	134,000	173	1.29	117	.87	
Lowell	2110,000	70	.64	135	1.23	
Lynn	106,000	129	1.22	117	1.10	
New Bedford	2120,000	84	.70	125	1.04	
Somerville	103,000	155	1.50	161	1.56	
Springfield	150,000	169	1.13	127	.85	
Worcester	198,000	299	1.51	115	.58	
Michigan:						
Detroit	1,379,000	5,764	4.18	1,867	1.35	3.1
Flint	149,000			221	1.48	
Grand Rapids	164,000	158	.96	111	.68	1.4
Minnesota:						
Duluth	117,000			81	.69	
Minneapolis	456,000			467	1.02	
St. Paul				347		
Missouri:						
Kansas City	391,000			592	1.51	
St. Louis	848,000			1,102	1.30	

¹ Cases of pneumonia reported by cities in Massachusetts are lobar only; deaths are for all forms.

² Population, State census, 1925.

Reported Prevalence for the Year 1928—Continued

PNEUMONIA (ALL FORMS)—Continued

City	Estimated population, July 1, 1928	Cases reported, 1928	Cases per 1,000 inhabitants	Deaths registered, 1928	Deaths per 1,000 inhabitants	Cases reported for each death registered
Nebraska:						
Omaha	223,000			363	1.63	
New Jersey:						
Camden	135,000	302	2.24	203	1.50	1.5
Elizabeth				154		
Jersey City	325,000			595	1.83	
Newark	474,000	2,851	6.01	632	1.33	4.5
Paterson	145,000			199	1.37	
Trenton	139,000			163	1.17	
New York:						
Albany	120,000	532	4.43	191	1.59	2.8
Buffalo	556,000	1,475	2.65	795	1.43	1.9
New York	6,018,000	21,079	3.50	10,019	1.66	2.1
Rochester	328,000	1,226	3.74	300	.91	4.1
Syracuse	199,000	³ 1,201	³ 6.04	³ 266	³ 1.34	³ 4.5
Utica	104,000	523	5.03	133	1.28	3.9
Yonkers	121,000	284	2.35	194	1.60	1.5
Ohio:						
Akron				393		
Canton	117,000			221	1.89	
Cincinnati	414,000			682	1.65	
Cleveland	1,010,000	2,430	2.41	1,014	1.00	2.4
Columbus	299,000	268	.90	247	.83	1.1
Dayton	185,000			32	.17	
Toledo	313,000	329	1.05	316	1.01	1.0
Youngstown	174,000			182	1.05	
Oklahoma:						
Oklahoma City		801		240		3.3
Oregon:				287		
Portland						
Pennsylvania:						
Erie		227		107		2.1
Philadelphia	2,064,000			2,903	1.41	
Pittsburgh	674,000	³ 4,393	³ 6.52	³ 1,569	³ 2.33	³ 2.8
Reading	115,000			116	1.01	
Rhode Island:						
Providence	286,000			³ 317	³ 1.11	
Tennessee:						
Knoxville	105,000			301	2.87	
Memphis	190,000			310	1.63	
Nashville	140,000	247	1.76	221	1.58	1.1
Texas:						
Dallas	218,000			208	.95	
El Paso	118,000			195	1.65	
Fort Worth	171,000			189	1.11	
Houston				377		
San Antonio	218,000			366	1.68	
Utah:						
Salt Lake City	138,000			126	.91	
Virginia:						
Norfolk	184,000			218	1.18	
Richmond	194,000			240	1.24	
Washington:						
Seattle	383,000			236	.62	
Spokane	109,000	147	1.35	137	1.26	1.1
Tacoma	111,000			100	.90	
Wisconsin:						
Milwaukee	544,000	1,259	2.31	628	1.15	2.0
Total:						
75 cities	31,415,000			43,555	1.386	
86 cities				46,820		

³ Includes nonresidents.

Reported Prevalence for the Year 1928—Continued

POLIOMYELITIS (INFANTILE PARALYSIS)

City	Estimated population, July 1, 1928	Estimated expectancy		1928				
		Number of years	Cases	Cases reported	Cases per 1,000 inhabitants	Deaths registered	Deaths per 1,000 inhabitants	Cases reported for each death registered
Alabama:								
Birmingham	222,000	7	5	9	0.04	1	0.00	9.0
California:								
Long Beach		7	8	4		1		4.0
Los Angeles		7	35	45		13		3.5
Oakland	274,000	7	9	19	.07	3	.01	6.3
San Diego	120,000	7	7	5	.04	2	.02	2.5
San Francisco	585,000	7	10	8	.01	4	.01	2.0
Colorado:								
Denver	294,000	6	7	6	.02	3	.01	2.0
Connecticut:								
Bridgeport		7	7	1		0		
Hartford	172,000	7	6	11	.06	2	.01	5.5
New Haven	188,000	7	8	4	.02	1	.01	4.0
Waterbury		7	6	1		0		
Delaware:								
Wilmington	129,000	7	0	3	.02	3	.02	1.0
District of Columbia:								
Washington	552,000	7	19	36	.07	5	.01	7.2
Florida:								
Jacksonville	141,000	2	1	3	.02	1	.01	3.0
Miami	157,000	5	2	1	.01	0		
Tampa	113,000	5	1			2	.02	
Georgia:								
Atlanta	255,000	6	3	2	.01	2	.01	1.0
Illinois:								
Chicago	3,157,000	7	67	25	.01	8	.00	3.1
Indiana:								
Fort Wayne	105,000	6	4	5	.05	1	.01	5.0
Indianapolis	382,000	7	4	2	.01	2	.01	1.0
Iowa:								
Des Moines	152,000	5	4			1	.01	
Kansas:								
Kansas City	118,000	7	1	1	.01	1	.01	1.0
Kentucky:								
Louisville	329,000	6	2	3	.01	1	.00	3.0
Louisiana:								
New Orleans	429,000	7	6	1	.00	0		
Maryland:								
Baltimore	830,000	7	28	127	.15	11	.01	11.5
Massachusetts:								
Boston	799,000	7	50	121	.15	14	.02	8.6
Cambridge	126,000	6	5	11	.09	0		
Fall River	134,000	7	6	13	.10	1	.01	13.0
Lowell	110,000	7	6	6	.05	1	.01	6.0
Lynn	106,000	6	4	9	.08	3	.03	3.0
New Bedford	120,000	7	3	8	.07	1	.01	8.0
Somerville	103,000	6	6	8	.08	1	.01	8.0
Springfield	150,000	6	6	6	.04	2	.01	3.0
Worcester	198,000	5	4	5	.03	3	.02	1.7
Michigan:								
Detroit	1,379,000	5	34	23	.02	9	.01	2.6
Flint	149,000	7	4	2	.01	0		
Grand Rapids	164,000	7	4	1	.01	0		
Minnesota:								
Duluth	117,000	7	1	2	.02	1	.01	2.0
Minneapolis	456,000	7	10	33	.07	11	.02	3.0
St. Paul		7	8	20		3		6.7

¹Population, State census, 1925.

Reported Prevalence for the Year 1928—Continued

POLIOMYELITIS (INFANTILE PARALYSIS)—Continued

City	Estimated population, July 1, 1928	Estimated expectancy		1928				
		Number of years	Cases	Cases reported	Cases per 1,000 inhabitants	Deaths registered	Deaths per 1,000 inhabitants	Cases reported for each death registered
Missouri:								
Kansas City.....	391,000	7	3	12	.03	1	.00	12.0
St. Louis.....	848,000	7	9	4	.00	3	.00	1.3
New Jersey:								
Elizabeth.....		5	2	2		1		2.0
Jersey City.....	325,000	7	6	7	.02	2	.01	3.5
Newark.....	474,000	7	22	15	.03	4	.01	3.7
Paterson.....	145,000	7	6	1	.01	0		
Trenton.....	139,000	7	4	2	.01	0		
New York:								
Buffalo.....	556,000	4	11	27	.05	12	.02	2.2
New York.....	6,018,000	7	344	572	.10	149	.02	3.8
Rochester.....	328,000	5	8	15	.05	4	.01	3.7
Syracuse.....	199,000	7	15	2 ² 25	.13	1	.01	25.0
Utica.....	104,000	7	5	2	.02	0		
Yonkers.....	121,000	7	5	7	.06	0		
Ohio:								
Akron.....		7	3	13		4		3.2
Canton.....	117,000	7	2	1	.01	0		
Cincinnati.....	414,000	6	5	8	.02	2	.00	4.0
Cleveland.....	1,010,000	7	25	73	.07	14	.01	5.2
Columbus.....	299,000	5	4	23	.08	10	.03	2.3
Dayton.....	185,000	7	5	4	.02	0		
Toledo.....	313,000	7	5	8	.03	1	.00	8.0
Youngstown.....	174,000	7	3	16	.09	4	.02	4.0
Oklahoma:								
Tulsa.....	171,000			1	.01			
Oregon:								
Portland.....		5	10	24		12		2.0
Pennsylvania:								
Erie.....		7	4	3		2		1.5
Philadelphia.....	2,064,000	6	24	11 ² 01	.01	1	.00	11.0
Pittsburgh.....	674,000	5	10	2 ² 8	.01	2	.01	21.3
Rhode Island:								
Providence.....	286,000	7	10	2 ² 6	.02	1	.00	6.0
Tennessee:								
Knoxville.....	105,000	6	3			2	.02	
Memphis.....	190,000	7	3	4	.02	0		
Nashville.....	140,000	6	6	4	.03	1	.01	4.0
Texas:								
Dallas.....	218,000	7	3	8	.04	1	.00	8.0
El Paso.....	118,000	5	1	8	.07	5	.04	1.6
Fort Worth.....	171,000	5	1	2	.01	1	.01	2.0
Houston.....		5	1	18		1		18.0
San Antonio.....	218,000	5	2	3	.01	2	.01	1.5
Utah:								
Salt Lake City.....	138,000	5	2			1	.01	
Virginia:								
Richmond.....	194,000	7	5	5	.03	2	.01	2.5
Washington:								
Seattle.....	383,000	6	16	133	.35	9	.02	14.8
Spokane.....	109,000	7	5	46	.42	15	.14	3.1
Tacoma.....	111,000	5	3	30	.27	7	.06	4.3
Wisconsin:								
Milwaukee.....	544,000	5	8	4	.01	1	.00	4.0
Total:								
66 cities.....	30,130,000		916	1,613	.054	357	.012	4.5
70 cities.....	30,638,000					363	.012	
77 cities.....				1,745				
80 cities.....						400		

² Includes nonresidents.

Reported Prevalence for the Year 1928—Continued

RABIES IN ANIMALS

City	Cases reported, 1928	City	Cases reported, 1928
Alabama:		Missouri:	
Birmingham	112	Kansas City	9
California:		St. Louis	74
Long Beach	5	New Jersey:	
Los Angeles	331	Elizabeth	10
San Diego	65	Newark	9
San Francisco	4	Paterson	5
Florida:		New York:	
Miami	3	New York	258
Tampa	6	Yonkers	24
Illinois:		Ohio:	
Chicago	921	Cleveland	112
Iowa:		Columbus	13
Des Moines	15	Dayton	28
Kentucky:		Toledo	180
Louisville	61	Rhode Island:	
Maryland:		Providence	35
Baltimore	19	Tennessee:	
Massachusetts:		Memphis	135
Boston	102	Texas:	
Michigan:		Dallas	5
Detroit	451	Houston	454
Flint	11	San Antonio	12
Grand Rapids	3	Virginia:	
Minnesota:		Richmond	7
Duluth	2		

RABIES IN MAN

City	Deaths registered, 1928	City	Deaths registered, 1928
California:		Ohio:	
Los Angeles	2	Akron	1
Florida:		Pennsylvania:	
Jacksonville	1	Pittsburgh	7
Illinois:		Tennessee:	
Chicago	7	Knoxville	1
Indiana:		Memphis	3
Indianapolis	2	Nashville	1
Massachusetts:		Texas:	
Boston	3	Dallas	1
Michigan:		El Paso	2
Detroit	1	Houston	1
Nebraska:		San Antonio	3
Omaha	3	Virginia:	
New Jersey:		Richmond	1
Newark	1		
New York:			
New York	14		

¹ Includes 2 nonresidents.² Includes nonresidents.³ Nonresident.

ROCKY MOUNTAIN SPOTTED (OR TICK) FEVER

City	Cases reported, 1928	Deaths registered, 1928
Utah:		
Salt Lake City	4	2

Reported Prevalence for the Year 1928—Continued

SCARLET FEVER

City	Estimated population, July 1, 1928	Estimated expectancy		1928				
		Number of years	Cases	Cases reported	Cases per 1,000 inhabitants	Deaths registered	Deaths per 1,000 inhabitants	Cases reported for each death registered
Alabama:								
Birmingham	222,000	7	168	140	0.63	1	0.00	140.0
California:								
Long Beach		7	120	128	—	0	—	—
Los Angeles		7	1,347	917	—	5	—	183.4
Oakland	274,000	7	305	536	1.99	5	.02	107.2
San Diego	120,000	7	250	378	3.15	1	.01	378.0
San Francisco	585,000	7	723	1,005	1.72	5	.01	201.0
Colorado:								
Denver	294,000	7	549	375	1.28	2	.01	187.5
Connecticut:								
Bridgeport		7	438	121	—	2	—	60.5
Hartford	172,000	7	238	194	1.13	0	—	—
New Haven	188,000	7	327	82	.44	0	—	—
Waterbury		7	222	66	—	0	—	—
Delaware:								
Wilmington	129,000	7	371	65	.50	2	.02	32.5
District of Columbia:								
Washington	552,000	7	944	1,288	2.33	7	.01	184.0
Florida:								
Jacksonville	141,000	2	16	59	.42	0	—	—
Miami	157,000	6	20	57	.36	0	—	—
Tampa	113,000	5	13	62	.55	1	.01	62.0
Georgia:								
Atlanta	255,000	7	255	448	1.76	8	.03	56.0
Illinois:								
Chicago	3,157,000	7	4,948	4,335	1.37	78	.02	55.6
Indiana:								
Fort Wayne	105,000	7	195	158	1.50	0	—	—
Indianapolis	382,000	7	348	621	1.63	5	.01	124.8
Iowa:								
Des Moines	152,000	6	370	545	3.59	5	.03	109.0
Kansas:								
Kansas City	118,000	7	174	120	1.02	2	.02	60.0
Kentucky:								
Louisville	329,000	6	287	918	2.79	2	.01	459.0
Louisiana:								
New Orleans	429,000	7	247	295	.69	8	.02	36.9
Maryland:								
Baltimore	830,000	7	1,122	1,037	1.25	4	.00	259.2
Massachusetts:								
Boston	799,000	7	3,064	2,621	3.28	31	.04	84.5
Cambridge	126,000	7	330	279	2.21	0	—	—
Fall River	134,000	7	165	308	2.30	1	.01	308.0
Lowell	110,000	7	162	75	.68	1	.01	75.0
Lynn	106,000	7	230	311	2.93	3	.03	103.7
New Bedford	120,000	7	217	92	.77	1	.01	92.0
Somerville	103,000	7	319	225	2.18	0	—	—
Springfield	150,000	7	330	494	3.29	2	.01	247.0
Worcester	198,000	7	440	302	1.53	1	.01	302.0
Michigan:								
Detroit	1,379,000	7	3,733	4,385	3.18	65	.05	67.5
Flint	149,000	7	434	562	3.77	9	.06	62.4
Grand Rapids	164,000	7	487	207	1.26	1	.01	207.0
Minnesota:								
Duluth	117,000	7	409	346	2.96	0	—	—
Minneapolis	456,000	7	2,211	942	2.07	14	.03	67.3
St. Paul		7	1,432	538	—	2	—	269.0

¹ Population, State census, 1925.

Reported Prevalence for the Year 1928—Continued

SCARLET FEVER—Continued

City	Estimated population, July 1, 1928	Estimated expectancy		1928				
		Number of years	Cases	Cases reported	Cases per 1,000 inhabitants	Deaths registered	Deaths per 1,000 inhabitants	Cases reported for each death registered
Missouri:								
Kansas City	391,000	7	759	947	2.42	15	0.04	63.1
St. Louis	848,000	7	1,735	1,071	1.26	20	.02	53.5
Nebraska:								
Omaha	223,000	7	195	255	1.14	1	.00	255.0
New Jersey:								
Camden	135,000	7	179	177	1.31	1	.01	177.0
Elizabeth		7	255	158		4		39.5
Jersey City	325,000	7	533	727	2.24	4	.01	181.7
Newark	474,000	7	1,128	973	2.05	6	.01	162.2
Paterson	145,000	7	226	148	1.02	3	.02	49.3
Trenton	139,000	7	246	100	.72	1	.01	100.0
New York:								
Albany	120,000	7	261	549	4.57	3	.02	183.0
Buffalo	556,000	7	1,072	1,300	2.34	31	.06	41.9
New York	6,018,000	7	8,840	10,586	1.76	69	.01	153.4
Rochester	328,000	7	509	230	.70	3	.01	76.7
Syracuse	199,000	7	564	1,427	2.15	0		
Utica	104,000	6	203	144	1.33	3	.03	48.0
Yonkers	121,000	7	344	474	3.92	3	.02	158.0
Ohio:								
Akron		7	510	228		1		228.0
Canton	117,000	7	194	139	1.19	1	.01	139.0
Cincinnati	414,000	7	644	1,061	2.56	10	.02	106.1
Cleveland	1,010,000	6	2,303	995	.99	16	.02	62.2
Columbus	299,000	7	508	422	1.41	7	.02	60.3
Dayton	185,000	7	277	134	.72	2	.01	67.0
Toledo	313,000	7	531	340	1.09	3	.01	113.3
Youngstown	174,000	7	364	153	.88	3	.02	51.0
Oklahoma:								
Oklahoma City		7	121	229		2		114.5
Tulsa	171,000			292	1.71			
Oregon:								
Portland		7	265	248		2		124.0
Pennsylvania:								
Erie		7	355	646		6		107.7
Philadelphia	2,064,000	7	3,765	2,969	1.39	22	.01	130.4
Pittsburgh	674,000	7	1,656	1,197	1.78	21	.03	157.0
Reading	115,000	7	161	565	4.91	0		
Rhode Island:								
Providence	286,000	7	353	1,912	3.19	9	.03	101.3
Tennessee:								
Knoxville	105,000	7	105	47	.45	2	.02	23.5
Memphis	190,000	7	235	271	1.43	1	.01	271.0
Nashville	140,000	7	112	68	.49	1	.01	68.0
Texas:								
Dallas	218,000	7	167	472	2.17	4	.02	118.0
El Paso	118,000	6	114	435	3.69	4	.03	108.7
Fort Worth	171,000	7	74	337	1.97	4	.02	84.2
Houston		7	81	103		1		103.0
San Antonio	218,000	7	42	94	.43	1	.00	94.0
Utah:								
Salt Lake City	138,000	7	130	111	.80	1	.01	111.0
Virginia:								
Norfolk	184,000	7	82	287	1.56	1	.01	287.0
Richmond	194,000	7	238	195	1.01	1	.01	195.0
Washington:								
Seattle	383,000	7	445	205	.54	0		
Spokane	109,000	7	317	403	3.70	4	.04	100.7
Tacoma	111,000	7	126	105	.95	1	.01	105.0
Wisconsin:								
Milwaukee	544,000	7	1,151	1,995	3.67	14	.03	142.5
Total:								
75 cities	31,415,000		55,289	55,790	1.776	561	.018	99.4
86 cities			60,435	59,172		586		101.0
87 cities				59,464				

² Includes nonresidents.

Reported Prevalence for the Year 1928—Continued

SEPTIC SORE THROAT

City	Estimated population, July 1, 1928	Cases reported, 1928	Cases per 1,000 inhabitants	Deaths registered, 1928	Deaths per 1,000 inhabitants	Cases reported for each death registered
California:						
Long Beach		1		0		
Los Angeles		8		6		1.3
Oakland	274,000	1	0.00	1	0.00	1.0
San Diego	120,000			8	.07	
San Francisco	585,000			18	.03	
Colorado:						
Denver	294,000			7	.02	
Connecticut:						
Bridgeport		11		10		1.1
Hartford	172,000			1	.01	
New Haven	188,000	5	.03	0		
Waterbury		1		0		
District of Columbia:						
Washington	552,000			13	.02	
Florida:						
Jacksonville	141,000			5	.04	
Miami	157,000	1	.01	1	.01	1.0
Tampa	113,000			7	.06	
Georgia:						
Atlanta	255,000	110	.43	12	.05	9.2
Illinois:						
Chicago	3,157,000	134	.04	38	.01	3.5
Kentucky:						
Louisville	329,000	5	.02	0		
Louisiana:						
New Orleans	429,000	2	.00	0		
Maryland:						
Baltimore	830,000	56	.07	8	.01	7.0
Massachusetts:						
Boston	799,000	90	.11	13	.02	6.9
Cambridge	126,000	8	.06	1	.01	8.0
Fall River	134,000	6	.04	1	.01	6.0
Lowell	110,000	4	.04	2	.02	2.0
Lynn	106,000	5	.05	0		
New Bedford	120,000			2	.02	
Somerville	103,000	4	.04	0		
Springfield	150,000	4	.03	1	.01	4.0
Worcester	198,000	6	.03	0		
Michigan:						
Detroit	1,379,000	23	.02			
Flint	149,000			5	.03	
Missouri:						
Kansas City	391,000			1	.00	
New Jersey:						
Elizabeth				1		
Newark	474,000			3	.01	1.0
New York:						
Albany	120,000	3	.02	1	.01	3.0
Buffalo	556,000	17	.03	0		
New York	6,018,000			103	.02	
Rochester	328,000			2	.01	
Ohio:						
Akron				0		
Columbus	299,000	7	.02	7	.02	1.0
Pennsylvania:						
Pittsburgh	674,000			232	.05	
Tennessee:						
Memphis	190,000			10	.05	
Texas:						
Dallas	218,000			11	.05	
El Paso	118,000			5	.04	
Houston				3		
San Antonio	218,000			5	.02	
Virginia:						
Richmond	194,000			10	.05	
Total:						
38 cities	19,389,000			334	.017	
45 cities				354		

¹ Population, State census, 1925.² Includes nonresidents.

Reported Prevalence for the Year 1928—Continued

SMALLPOX

City	Estimated population, July 1, 1928	Estimated expectancy		1928			
		Number of years	Cases	Cases reported	Cases per 1,000 inhabitants	Deaths registered	Cases reported for each death registered
Alabama:							
Birmingham	222,000	7	176	38	0.17	0	
California:							
Long Beach		5	26	6		0	
Los Angeles		7	766	54		0	
Oakland	274,000	7	261	322	1.18	0	
San Diego	120,000	7	20	10	.08	0	
San Francisco	585,000	7	77	33	.06	0	
Colorado:							
Denver	294,000	5	6	19	.06	0	
Connecticut:							
Bridgeport		7	1	0		0	
Hartford	172,000	7	0	1	.01	0	
New Haven	188,000	7	0	1	.01	0	
Waterbury		7	0	0		0	
Delaware:							
Wilmington	129,000	7	0	0		0	
District of Columbia:							
Washington	552,000	7	66	24	.04	0	
Florida:							
Jacksonville	141,000	2	25	36	.26	0	
Miami	157,000	6	87	0		0	
Tampa	113,000	5	6	3	.03	0	
Georgia:							
Atlanta	255,000	6	287	40	.16	0	
Illinois:							
Chicago	3,157,000	7	90	147	.05	0	
Indiana:							
Fort Wayne	105,000	7	89	9	.09	0	
Indianapolis	382,000	7	545	144	.38	0	
Iowa:							
Des Moines	152,000	6	111	312	2.05	0	
Kansas:							
Kansas City	118,000	7	14	109	.92	0	
Kentucky:							
Louisville	329,000	6	38	15	.05	1	0.00
Louisiana:							
New Orleans	429,000	7	12	11	.03	1	.00
Maryland:							
Baltimore	830,000	7	7	4	.00	0	
Massachusetts:							
Boston	799,000	7	0	7	.01	0	
Cambridge	126,000	7	0	0		0	
Fall River	134,000	7	0	0		0	
Lowell	1 110,000	7	0	0		0	
Lynn	106,000	7	0	0		0	
New Bedford	1 120,000	7	0	0		0	
Somerville	103,000	7	0	0		0	
Springfield	150,000	7	0	1	.01	0	
Worcester	198,000	7	0	0		0	
Michigan:							
Detroit	1,379,000	5	66	50	.04	0	
Flint	149,000	7	56	152	1.02	0	
Grand Rapids	164,000	7	24	8	.05	0	
Minnesota:							
Duluth	117,000	7	189	1	.01	0	
Minneapolis	456,000	5	191	18	.04	0	
St. Paul		7	419	4		0	

¹ Population, State census, 1925.

Reported Prevalence for the Year 1928—Continued

SMALLPOX—Continued

City	Estimated population, July 1, 1928	Estimated expectancy		1928				
		Number of years	Cases	Cases reported	Cases per 1,000 inhabitants	Deaths registered	Deaths per 1,000 inhabitants	Cases reported for each death registered
Missouri:								
Kansas City	391,000	7	33	74	0.19	1	0.00	74.0
St. Louis	848,000	7	118	65	.08	0		
Nebraska:								
Omaha	223,000	7	178	101	.45	0		
New Jersey:								
Camden	135,000	7	0	0		0		
Elizabeth		7	0	0		0		
Jersey City	325,000	7	1	0		0		
Newark	474,000	7	2	1	.00	0		
Paterson	145,000	7	0	0		0		
Trenton	139,000	7	4	3	.02	0		
New York:								
Albany	120,000	7	0	0		0		
Buffalo	556,000	7	8	2	.00	0		
New York	6,018,000	7	12	2	.00	0		
Rochester	328,000	7	2	0		0		
Syracuse	199,000	7	3	2	.03	0		
Utica	104,000	7	0	2	.02	0		
Yonkers	121,000	7	0	0		0		
Ohio:								
Akron		7	18	9		0		
Canton	117,000	7	6	3	.03	0		
Cincinnati	414,000	7	51	46	.11	0		
Cleveland	1,010,000	7	28	4	.00	0		
Columbus	299,000	7	81	7	.02	0		
Dayton	185,000	7	67	44	.24	0		
Toledo	313,000	7	129	3	.01	0		
Youngstown	174,000	6	54	1	.01	0		
Oklahoma:								
Oklahoma City		7	76	378		0		
Tulsa	171,000			90	.53			
Oregon:								
Portland		6	370	1,051		3		350.3
Pennsylvania:								
Erie		7	0	0		0		
Philadelphia	2,064,000	7	27	0		0		
Pittsburgh	674,000	7	4	1	.00	0		
Reading	115,000	7	0	0		0		
Rhode Island:								
Providence		286,000	7	0	0		0	
Tennessee:								
Knoxville	105,000	4	9	27	.26	0		
Memphis	190,000	7	147	22	.12	0		
Nashville	140,000	7	46	49	.35	0		
Texas:								
Dallas	218,000	7	48	81	.37	0		
El Paso	118,000	6	7	1	.01	0		
Fort Worth	171,000	7	50	172	1.01	1	.01	172.0
Houston		7	43	41		1		41.0
San Antonio	218,000	7	9	11	.05	0		
Utah:								
Salt Lake City	138,000	7	52	197	1.43	0		
Virginia:								
Norfolk	184,000	7	1	11	.06	0		
Richmond	194,000	7	10	1	.01	0		
Washington:								
Seattle	383,000	6	180	44	.11	0		
Spokane	109,000	6	289	332	3.05	0		
Tacoma	111,000	7	270	54	.49	0		
Wisconsin:								
Milwaukee	544,000	6	101	19	.03	0		
Total:								
75 cities	31,415,000		4,470	2,901	.002	4	.0001	725.2
86 cities			6,189	4,444		8		555.5
87 cities				4,534				

² Includes nonresidents.

Reported Prevalence for the Year 1928—Continued

TUBERCULOSIS (ALL FORMS)

City	Estimated population, July 1, 1928	Cases reported, 1928	Cases per 1,000 inhabitants	Deaths registered, 1928	Deaths per 1,000 inhabitants	Cases reported for each death registered
Alabama:						
Birmingham	222,000	622	2.80	281	1.27	2.2
California:						
Long Beach				35		
Los Angeles		3,560		1,377		2.6
Oakland	274,000			157	.57	
San Diego	120,000	240	2.00	176	1.47	1.4
San Francisco	585,000	1,143	1.95	634	1.08	1.8
Colorado:						
Denver	294,000			415	1.41	
Connecticut:						
Bridgeport		172		103		1.7
Hartford	172,000	257	1.49	48	.28	5.4
New Haven	188,000	676	3.60	115	.61	5.9
Waterbury		99		45		2.2
Delaware:						
Wilmington	129,000			57	.44	
District of Columbia:						
Washington	552,000	1,142	2.07	577	1.05	2.0
Florida:						
Jacksonville	141,000	186	1.32	171	1.21	1.1
Miami	157,000	151	.96	71	.45	2.1
Tampa	113,000			96	.85	
Georgia:						
Atlanta	255,000	506	1.98	271	1.06	1.9
Illinois:						
Chicago	3,157,000	7,085	2.24	2,680	.35	2.6
Indiana:						
Fort Wayne	105,000			60	.57	
Indianapolis	382,000			358	.94	
Iowa:						
Des Moines	152,000			96	.63	
Kansas:						
Kansas City	118,000	178	1.51	99	.84	1.8
Kentucky:						
Louisville	329,000	770	2.34	131	.40	5.9
Louisiana:						
New Orleans	429,000	991	2.31	757	1.76	1.3
Maryland:						
Baltimore	830,000	1,373	1.65	826	1.00	1.7
Massachusetts:						
Boston	799,000	1,867	2.34	664	.83	2.8
Cambridge	126,000	199	1.58	110	.87	1.8
Fall River	134,000	191	1.43	121	.90	1.6
Lowell	110,000	124	1.13	72	.65	1.7
Lynn	106,000	135	1.27	29	.27	4.7
New Bedford	120,000	251	2.09	124	1.03	2.0
Somerville	103,000	105	1.02	39	.38	2.7
Springfield	150,000	150	1.00	68	.45	2.2
Worcester	198,000	176	.89	144	.73	1.2
Michigan:						
Detroit	1,379,000	3,005	2.18	1,308	.95	2.3
Flint	149,000	119	.80	64	.43	1.9
Grand Rapids	164,000	141	.86	47	.29	3.0
Minnesota:						
Duluth	117,000	155	1.32	67	.57	2.3
Minneapolis	456,000	962	2.11	165	.36	5.8
St. Paul		291		195		1.5
Missouri:						
Kansas City	391,000			387	.99	
St. Louis	848,000			680	.80	
Nebraska:						
Omaha	223,000			104	.47	
New Jersey:						
Camden	135,000	190	1.41	58	.43	3.3
Elizabeth		134		56		2.4
Jersey City	325,000	495	1.52	239	.74	2.1
Newark	474,000	932	1.97	412	.87	2.3
Paterson	145,000	162	1.12	106	.73	1.5
Trenton	139,000	237	1.71	148	1.06	1.6

¹ Population, State census, 1925.

Reported Prevalence for the Year 1928—Continued

TUBERCULOSIS (ALL FORMS)—Continued

City	Estimated population, July 1, 1928	Cases reported, 1928	Cases per 1,000 inhabitants	Deaths registered, 1928	Deaths per 1,000 inhabitants	Cases reported for each death registered
New York:						
Albany	120,000	242	2.02	115	0.96	2.1
Buffalo	556,000	895	1.61	494	.89	1.8
New York	6,018,000	11,689	1.94	5,326	.89	2.2
Rochester	328,000	487	1.48	120	.37	4.1
Syracuse	199,000	390	1.96	96	.48	4.1
Utica	104,000	119	1.14	44	.42	2.7
Yonkers	121,000	188	1.55	90	.74	2.1
Ohio:						
Akron		613		103		6.0
Canton	117,000	132	1.13	37	.32	3.6
Cincinnati	414,000	1,168	2.82	527	1.27	2.2
Cleveland	1,010,000	1,883	1.86	797	.79	2.4
Columbus	299,000	519	1.74	260	.87	2.0
Dayton	185,000			134	.72	
Toledo	313,000	526	1.68	271	.87	1.9
Youngstown	174,000	655	3.76	93	.53	7.0
Oklahoma:						
Oklahoma City				79		
Oregon:						
Portland		333		144		2.3
Pennsylvania:						
Erie		260		50		5.2
Philadelphia	2,064,000	2,938	1.42	1,742	.84	1.7
Pittsburgh	674,000			504	.75	
Reading	115,000			38	.33	
Rhode Island:						
Providence	286,000			159	.56	
Tennessee:						
Knoxville	105,000			102	.97	
Memphis	190,000	731	3.85	337	1.77	2.2
Nashville	140,000	476	3.40	214	1.53	2.2
Texas:						
Dallas	218,000			115	.53	
El Paso	118,000			361	3.06	
Fort Worth	171,000			77	.45	
Houston				236		
San Antonio	218,000			398	1.83	
Utah:						
Salt Lake City	138,000			88	.64	
Virginia:						
Norfolk	184,000			98	.53	
Richmond	194,000	419	2.16	181	.93	2.3
Washington:						
Seattle	383,000	695	1.81	203	.53	3.4
Spokane	109,000	97	.89	38	.35	2.6
Tacoma	111,000			39	.35	
Wisconsin:						
Milwaukee	544,000			346	.64	
Total—						
52 cities	25,437,000	49,165	1.933	21,807	.857	2.3
75 cities	31,415,000			26,676	.849	
60 cities		54,627				
86 cities				29,099		

² Includes nonresidents.

TUBERCULOSIS (RESPIRATORY SYSTEM)

City	Estimated population, July 1, 1928	Cases reported, 1928	Cases per 1,000 inhabitants	Deaths registered, 1928	Deaths per 1,000 inhabitants	Cases reported for each death registered
Alabama:						
Birmingham	222,000	579	2.61	238	1.07	2.4
California:						
Long Beach		111		30		3.7
Los Angeles				1,204		
Oakland	274,000	313	1.14	122	.45	2.6
San Diego	120,000			164	1.37	
San Francisco	585,000	1,049	1.79	538	.92	1.9

Reported Prevalence for the Year 1928—Continued

TUBERCULOSIS (RESPIRATORY SYSTEM)—Continued

City	Estimated population, July 1, 1928	Cases reported, 1928	Cases per 1,000 inhabitants	Deaths registered, 1928	Deaths per 1,000 inhabitants	Cases reported for each death registered
Colorado:						
Denver	294,000			378	1.29	
Connecticut:						
Bridgeport				88		
Hartford	172,000	237	1.38	41	.24	5.8
New Haven	188,000	432	2.30	102	.54	4.2
Waterbury		92		37		2.5
Delaware:						
Wilmington	129,000			49	.38	
District of Columbia:						
Washington	552,000	1,087	1.97	507	.92	2.1
Florida:						
Jacksonville	141,000			154	1.09	
Miami	157,000	146	.93	66	.42	2.2
Tampa	113,000			86	.76	
Georgia:						
Atlanta	255,000			220	.86	
Illinois:						
Chicago	3,157,000			2,285	.72	
Indiana:						
Fort Wayne	105,000			57	.54	
Indianapolis	382,000			293	.77	
Iowa:						
Des Moines	152,000			89	.59	
Louisiana:						
New Orleans	429,000			660	1.54	
Maryland:						
Baltimore	830,000	1,235	1.49	717	.86	1.7
Massachusetts:						
Boston	799,000	1,455	1.82	581	.73	2.5
Cambridge	126,000	¹ 171	1.36	107	.85	1.6
Fall River	134,000	145	1.08	106	.79	1.4
Lowell	² 110,000	97	.88	63	.57	1.5
Lynn	106,000	107	1.01	22	.21	4.9
New Bedford	² 120,000	188	1.57	98	.82	1.9
Somerville	103,000	86	.83	30	.29	2.9
Springfield	150,000	113	.75	50	.33	2.3
Worcester	198,000	142	.72	128	.65	1.1
Michigan:						
Detroit	1,379,000	2,745	1.99	1,095	.79	2.5
Flint	149,000			51	.34	
Grand Rapids	164,000	137	.84	40	.24	3.4
Minnesota:						
Duluth	117,000	91	.78	60	.51	1.5
Minneapolis	456,000	776	1.70	134	.29	5.8
St. Paul		271		150		1.8
Missouri:						
Kansas City	391,000			340	.87	
St. Louis	848,000	1,363	1.61	582	.69	2.3
New Jersey:						
Camden	135,000	177	1.31	45	.33	3.9
Elizabeth				50		
Newark	474,000	860	1.81	366	.77	2.3
Paterson	145,000			91	.63	
Trenton	139,000	215	1.55	132	.95	1.6
New York:						
Albany	120,000			100	.83	
Buffalo	556,000	780	1.40	404	.73	1.9
New York	6,018,000	11,614	1.93	⁴ 636	.77	2.5
Rochester	328,000			102	.31	
Syracuse	199,000	³ 268	³ 1.35	³ 71	³ .36	³ 3.8
Yonkers	121,000	177	1.46	82	.68	2.2
Ohio:				80		
Akron				34	.29	3.7
Canton	117,000	127	1.09	442	1.07	2.2
Cincinnati	414,000	977	2.36	689	.68	2.4
Cleveland	1,010,000	1,688	1.67	216	.72	
Columbus	299,000			113	.61	1.0
Dayton	185,000	118	.64	229	.73	
Toledo	313,000			78	.45	4.7
Youngstown	174,000	368	2.11	103		
Oregon:						
Portland						

¹ In addition, 43 cases of hilum tuberculosis were also reported.² Population, State census, 1925.³ Includes nonresidents.

Reported Prevalence for the Year 1928—Continued

TUBERCULOSIS (RESPIRATORY SYSTEM)—Continued

City	Estimated population, July 1, 1928	Cases reported, 1928	Cases per 1,000 inhabitants	Deaths registered, 1928	Deaths per 1,000 inhabitants	Cases reported for each death registered
Pennsylvania:						
Erie				43		
Philadelphia	2,064,000			1,507	0.73	
Pittsburgh	674,000	3674	3 1.00	3405	3.60	3 1.7
Reading	115,000	97	.84	37	.32	2.6
Rhode Island:						
Providence	286,000			3115	3.40	
Tennessee:						
Knoxville	105,000	218	2.08	82	.78	2.7
Memphis	190,000	690	3.63	284	1.49	2.4
Nashville	140,000	434	3.10	170	1.21	2.6
Texas:						
Dallas	218,000			99	.45	
El Paso	118,000			331	2.81	
Fort Worth	171,000			72	.42	
Houston		527		218		2.4
San Antonio	218,000			358	1.64	
Utah:						
Salt Lake City	138,000	76	.55	75	.54	1.0
Virginia:						
Richmond	194,000			154	.79	
Washington:						
Seattle	383,000	528	1.38	160	.42	3.3
Spokane	109,000	87	.80	28	.26	3.1
Tacoma	111,000	151	1.36	37	.33	4.1
Wisconsin:						
Milwaukee	544,000	800	1.47	292	.54	2.7
Total:						
44 cities	19,841,000	33,818	1.704	14,089	.710	2.4
69 cities	30,132,000			22,289	.740	
48 cities		34,819				
79 cities				24,292		

³ Includes nonresidents.

TULARAEMIA

City	Cases reported, 1928	Deaths registered, 1928	City	Cases reported, 1928	Deaths registered, 1928
Alabama:			Missouri:		
Birmingham	3	1	St. Louis		3 0
California:			New York:		
Los Angeles	1	0	Buffalo		1 0
Florida:			New York		1 0
Miami	1	1	Ohio:		
Illinois:			Cincinnati		1 0
Chicago	3	0	Dayton		1 0
Kentucky:			Toledo		1 0
Louisville	13	0	Youngstown		2 0
Louisiana:			Tennessee:		
New Orleans	4	1	Nashville		3 0
Maryland:			Texas:		
Baltimore	5	1	Dallas		2 0
Minnesota:					
Duluth	1	0			

Reported Prevalence for the Year 1928—Continued

TYPHOID FEVER

City	Estimated population, July 1, 1928	Estimated expectancy		1928				
		Number of years	Cases	Cases reported	Cases per 1,000 inhabitants	Deaths registered	Deaths per 1,000 inhabitants	Cases reported for each death registered
Alabama:								
Birmingham	222,000	7	158	112	0.50	16	0.07	7.0
California:								
Long Beach		7	17	11		3		3.7
Los Angeles		7	94	67		21		3.2
Oakland	274,000	7	30	22	.08	3	.01	7.3
San Diego	120,000	7	8	13	.11	2	.02	6.5
San Francisco	585,000	7	69	76	.13	20	.03	3.8
Colorado:								
Denver	294,000	7	56	17	.06	8	.03	2.1
Connecticut:								
Bridgeport		7	16	6		1		6.0
Hartford	172,000	7	17	12	.07	2	.01	6.0
New Haven	188,000	7	51	18	.10	0		
Waterbury		7	9	4		2		2.0
Delaware:								
Wilmington	129,000	7	33	7	.05	7	.05	1.0
District of Columbia:								
Washington	552,000	7	126	46	.08	15	.03	3.1
Florida:								
Jacksonville	141,000	2	53	34	.24	3	.02	11.3
Miami	157,000	6	38	22	.14	3	.02	7.3
Tampa	113,000	6	46	40	.35	9	.08	4.4
Georgia:								
Atlanta	255,000	7	94	93	.36	19	.07	4.9
Illinois:								
Chicago	3,157,000	7	232	127	.04	16	.01	7.9
Indiana:								
Fort Wayne	105,000	7	33	44	.42	6	.06	7.3
Indianapolis	382,000	7	42	66	.17	15	.04	4.4
Iowa:								
Des Moines	152,000					2	.01	
Kansas:								
Kansas City	118,000	7	29	19	.16	2	.02	9.5
Kentucky:								
Louisville	329,000	6	118	67	.20	8	.02	8.4
Louisiana:								
New Orleans	429,000	7	170	153	.36	32	.07	4.8
Maryland:								
Baltimore	830,000	7	174	114	.14	32	.04	3.6
Massachusetts:								
Boston	799,000	7	121	80	.10	5	.01	16.0
Cambridge	126,000	7	16	3	.02	2	.02	1.5
Fall River	134,000	7	29	29	.22	6	.04	4.8
Lowell	110,000	7	15	6	.05	0		
Lynn	106,000	7	17	6	.06	0		
New Bedford	120,000	7	16	9	.07	2	.02	4.5
Somerville	103,000	7	10	7	.07	2	.02	3.5
Springfield	150,000	7	11	13	.09	0		
Worcester	198,000	7	18	6	.03	1	.01	6.0
Michigan:								
Detroit	1,379,000	7	134	69	.05	14	.01	4.9
Flint	149,000	7	23	13	.09	2	.01	6.5
Grand Rapids	164,000	7	24	9	.05	1	.01	9.0
Minnesota:								
Duluth	117,000	7	14	14	.12	0		
Minneapolis	456,000	7	52	25	.05	1	.00	25.0
St. Paul		7	35	15		4		3.7
Missouri:								
Kansas City	391,000	7	57	37	.09	9	.02	4.1
St. Louis	848,000	7	178	123	.15	19	.02	6.5
Nebraska:								
Omaha	223,000	7	15	21	.09	6	.03	3.5

¹ Population, State census, 1925.² Includes 2 nonresidents.

Reported Prevalence for the Year 1928—Continued

TYPHOID FEVER—Continued

City	Estimated population, July 1, 1928	Estimated expectancy		1928				
		Number of years	Cases	Cases reported	Cases per 1,000 inhabitants	Deaths registered	Deaths per 1,000 inhabitants	Cases reported for each death registered
New Jersey:								
Camden	135,000	7	32	20	0.15	6	0.04	3.3
Elizabeth		7	16	14		0		
Jersey City	325,000	7	28	11	.03	2	.01	5.5
Newark	474,000	7	56	19	.04	5	.01	3.8
Paterson	145,000	7	18	10	.07	2	.01	5.0
Trenton	139,000	7	41	30	.22	3	.02	10.0
New York:								
Albany	120,000	7	41	21	.17	1	.01	21.0
Buffalo	556,000	7	88	42	.08	13	.02	3.2
New York	6,018,000	7	899	671	.11	87	.01	7.7
Rochester	328,000	7	49	21	.06	3	.01	7.0
Syracuse	199,000	7	30	15	.08	1	.01	15.0
Utica	104,000	7	23	14	.13	0		
Yonkers	121,000	7	9	9	.07	0		
Ohio:								
Akron		7	23	13		1		13.0
Canton	117,000	7	10	3	.03	1	.01	3.0
Cincinnati	414,000	7	73	43	.10	7	.02	6.1
Cleveland	1,010,000	7	97	47	.05	6	.01	7.8
Columbus	299,000	7	31	16	.05	5	.02	3.2
Dayton	185,000	7	28	19	.10	5	.03	3.8
Toledo	313,000	7	56	42	.13	15	.05	2.8
Youngstown	174,000	7	31	19	.11	2	.01	9.5
Oklahoma:								
Oklahoma City		7	49	45		14		3.2
Tulsa	171,000			27	.16			
Oregon:								
Portland		7	39	33		7		4.7
Pennsylvania:								
Erie		7	22	7		1		7.0
Philadelphia	2,064,000	7	271	127	.06	17	.01	7.0
Pittsburgh	674,000	7	96	311	.16	323	.03	3.4.5
Reading	115,000	7	17	9	.08	3	.03	3.8
Rhode Island:								
Providence	286,000	7	35	28	.10	35	.02	5.6
Tennessee:								
Knoxville	105,000	6	126	53	.50	12	.11	4.4
Memphis	190,000	7	223	123	.65	22	.12	5.6
Nashville	140,000	7	176	101	.72	21	.15	4.8
Texas:								
Dallas	218,000	7	93			11	.05	
El Paso	118,000	6	55	42	.36	12	.10	3.5
Fort Worth	171,000	7	35	31	.18	12	.07	2.6
Houston		7	45	49		18		
San Antonio	218,000	7	56	17	.08	5	.02	3.4
Utah:								
Salt Lake City	138,000	7	43	30	.22	4	.03	7.5
Virginia:								
Norfolk	184,000	7	29	20	.11	3	.02	6.7
Richmond	194,000	7	68	42	.22	6	.03	7.0
Washington:								
Seattle	383,000	7	67	54	.14	5	.01	10.8
Spokane	109,000	7	26	12	.11	2	.02	6.0
Tacoma	111,000	7	22	18	.16	0		
Wisconsin:								
Milwaukee	544,000	6	28	16	.03	4	.01	4.0
Total:								
73 cities	31,045,000		5,340	3,478	.112	608	.020	5.7
75 cities	31,415,000					621	.020	
84 cities			5,705	3,742		680		5.5
85 cities				3,769				
86 cities						693		

³ Includes nonresidents.

Reported Prevalence for the Year 1928—Continued

TYPHUS FEVER

City	Cases re- ported, 1928	Deaths regis- tered, 1928	City	Cases re- ported, 1928	Deaths regis- tered 1928
Alabama: Birmingham.....	1	0	Illinois: Chicago.....	1	0
California: San Francisco.....	1	0	Maryland: Baltimore.....	2	1
Connecticut: New Haven.....	2	0	New York: New York.....	11	1
Florida: Jacksonville.....	3	0	Texas: Houston.....	3	0
Miami.....	5	0	Virginia: Richmond.....	3	0
Tampa.....	28	3			
Georgia: Atlanta.....	1	0			

UNDULANT FEVER

City	Cases re- ported, 1928	Deaths regis- tered, 1928	City	Cases re- ported, 1928	Deaths regis- tered, 1928
California: Long Beach.....	2	0	New York: Buffalo.....	1	0
Los Angeles.....	2	0	New York.....	1	1
Connecticut: Hartford.....	1	0	Ohio: Cleveland.....	1	1
Illinois: Chicago.....	1	0	Columbus.....	1	0
Indiana: Fort Wayne.....	1	0	Virginia: Richmond.....	1	0
Kansas: Kansas City.....	3	0			

Reported Prevalence for the Year 1928—Continued

WHOOPING COUGH

City	Estimated population, July 1, 1928	Average, 1922-1927	1928				
			Cases reported	Cases per 1,000 inhabitants	Deaths registered	Deaths per 1,000 inhabitants	Cases reported for each death registered
Alabama:							
Birmingham	222,000	256	210	0.95	24	0.11	8.7
California:							
Long Beach		160	268		1		268.0
Los Angeles		761	2,032		91		22.3
Oakland	274,000	353	338	1.34	5	.02	73.6
San Diego	120,000	475	775	6.46	6	.05	129.2
San Francisco	585,000	555	548	.94	10	.02	54.8
Colorado:							
Denver	294,000	758	777	2.64	11	.04	70.6
Connecticut:							
Bridgeport		88	160		15		10.7
Hartford	172,000	271	285	1.66	10	.06	28.5
New Haven	188,000	376	773	4.11	18	.10	42.9
Waterbury		50	75		5		15.0
Delaware:							
Wilmington	129,000	94	68	.53	2	.02	34.0
District of Columbia:							
Washington	552,000	777	550	1.00	22	.04	25.0
Florida:							
Jacksonville	141,000	1224	80	.57	3	.02	26.7
Miami	157,000		53	.34	3	.02	17.7
Tampa	113,000	22	26	.23	1	.01	26.0
Georgia:							
Atlanta	255,000	148	95	.37	14	.05	6.8
Illinois:							
Chicago	3,157,000	3,794	4,474	1.42	95	.03	47.1
Indiana:							
Fort Wayne	105,000	109	36	.34	3	.03	12.0
Indianapolis	382,000	973	317	.83	7	.02	45.3
Iowa:							
Des Moines	152,000				2	.01	
Kansas:							
Kansas City	118,000	338	230	1.95	4	.03	57.5
Kentucky:							
Louisville	329,000	205	158	.48	3	.01	52.7
Louisiana:							
New Orleans	429,000	225	138	.32	25	.06	5.5
Maryland:							
Baltimore	830,000	2,499	3,238	3.90	83	.10	39.0
Massachusetts:							
Boston	799,000	1,829	1,910	2.39	52	.07	36.7
Cambridge	126,000	513	228	1.81	7	.06	32.6
Fall River	134,000	176	123	.92	4	.03	30.7
Lowell	110,000	75	11	.10	0		
Lynn	106,000	183	94	.89	3	.03	31.3
New Bedford	120,000	107	182	1.52	2	.02	91.0
Somerville	103,000	119	145	1.41	3	.03	48.3
Springfield	150,000	231	206	1.37	4	.03	51.5
Worcester	198,000	305	502	2.54	7	.04	71.7
Michigan:							
Detroit	1,379,000	2,878	5,395	3.91	85	.06	63.5
Flint	149,000	316	360	2.42	12	.08	30.0
Grand Rapids	164,000	465	286	1.74	7	.04	40.9
Minnesota:							
Duluth	117,000	2186	188	1.61	4	.03	47.0
Minneapolis	456,000	108	569	1.25	13	.03	43.8
St. Paul		749	1,136		7		162.3

¹ 2 years only.² 5 years only.³ Population, State census, 1925.

Reported Prevalence for the Year 1928—Continued

WHOOPING COUGH—Continued

City	Estimated population, July 1, 1928	Average, 1922-1927	1928				
			Cases reported	Cases per 1,000 inhabitants	Deaths registered	Deaths per 1,000 inhabitants	Cases reported for each death registered
Missouri:							
Kansas City	391,000	485	459	1.17	24	0.06	19.1
St. Louis	848,000	1,156	1,015	1.20	33	.04	30.8
Nebraska:							
Omaha	223,000	72	51	.23	2	.01	25.5
New Jersey:							
Camden	135,000	80	145	1.07	17	.13	8.5
Elizabeth		215	215		4		53.7
Jersey City	325,000	80	77	.24	21	.06	3.7
Newark	474,000	1,936	1,621	3.42	21	.04	77.2
Paterson	145,000	329	231	1.59	5	.03	46.2
Trenton	139,000	118	75	.54	6	.04	12.5
New York:							
Albany	120,000	291	442	3.68	8	.07	55.2
Buffalo	556,000	986	1,628	2.93	24	.04	67.8
New York	6,018,000	5,315	5,876	.98	347	.06	16.9
Rochester	328,000	347	472	1.44	22	.07	21.5
Syracuse	199,000	603	1,245	6.26	13	.07	95.8
Utica	104,000	221	187	1.80	0		
Yonkers	121,000	129	199	1.64	5	.04	39.8
Ohio:							
Akron		934	494		6		82.3
Canton	117,000	248	356	3.04	2	.02	178.0
Cincinnati	414,000	492	361	.87	26	.06	13.9
Cleveland	1,010,000	2,306	2,826	2.80	51	.05	55.4
Columbus	299,000	275	247	.83	7	.02	35.3
Dayton	185,000	46	38	.21	3	.02	12.7
Toledo	313,000	903	870	2.78	7	.02	124.3
Youngstown	174,000	383	116	.67	1	.01	116.0
Oklahoma:							
Oklahoma City		29			1		
Tulsa	171,000		126	.74			
Oregon:							
Portland		149	6		0		
Pennsylvania:							
Erie		376	475		7		67.9
Philadelphia	2,064,000	2,308	3,949	1.91	132	.06	29.9
Pittsburgh	674,000	1,492	1,135	1.68	30	.04	37.8
Reading	115,000	315	435	3.78	2	.02	217.5
Rhode Island:							
Providence	286,000	175	120	.42	15	.05	8.0
Tennessee:							
Knoxville	105,000	235	13	.12	3	.03	4.3
Memphis	190,000	374	144	.76	10	.05	14.4
Nashville	140,000	127	92	.66	9	.06	10.2
Texas:							
Dallas	218,000	430	479	2.20	17	.08	28.2
El Paso	118,000	239	553	4.69	25	.21	22.1
Fort Worth	171,000		19	.11	4	.02	4.7
Houston		12			9		
San Antonio	218,000				6	.03	
Utah:							
Salt Lake City	138,000	680	365	2.64	5	.04	73.0
Virginia:							
Norfolk	184,000	2365	60	.33	0		
Richmond	194,600	170	59	.30	17	.09	3.5
Washington:							
Seattle	383,000	697	385	1.01	3	.01	128.3
Spokane	109,000	217	36	.33	1	.01	36.0
Tacoma	111,000	143	91	.82	0		
Wisconsin:							
Milwaukee	544,000	2,058	2,346	4.30	29	.05	80.7
Total:							
71 cities	30,717,000	46,729	52,138	1.697	1,492	.049	34.9
75 cities	31,415,000				1,507	.048	
83 cities			57,197				
86 cities					1,653		

² 5 years only.⁴ 4 years only.³ Includes nonresidents.